HORTICULTURAL GROWERS’ SHORT COURSE

JANUARY 26-28, 2017

Lower Mainland Horticulture Improvement Association together with the Pacific Agriculture Show

at TRADEX Abbotsford Airport (Exit 83, Mt. Lehman, south of Hwy #1)
Thursday Morning, January 26, 2017

Terralink Room
Raspberries/Strawberries
Chair: Tom Baumann, UFV, Chilliwack, BC
Sponsor: Farm Credit Canada

9:00-0:9:20
Disease Survey in Strawberries
Siva Sabaratnam, BCAGRI, Abbotsford BC
What soil-borne diseases are showing up in BC strawberry fields?

9:20-10:15
Integrated Powdery Mildew Control in Strawberries
Avice Hall, University of Hertfordshire, UK
New disease prediction and powdery mildew management techniques from the UK.

10:15-10:30 Refreshment Break

10:30-10:55
Fertilization in Strawberries
Mike Boot, Pier Management & Consulting, Chilliwack, BC
Wendy Hoashi-Erhardt, WSU, Puyallup, WA
Best management practices for fertilizing strawberries.

10:55-11:30
Spraying for Canopy Penetration
Tom Wolf, Agrimetrics, Saskatoon, SK
Tips on how to improve spray coverage.

11:30-12:00
Effect of Cane Burning on Raspberry Fruit Quality
Tim Miller, WSU, Mt. Vernon, WA
Lisa Wasco DeVetter, WSU, Mt. Vernon, WA
What is the effect of cane burning herbicides on different raspberry cultivars?

Pesticide Re-Certification Credits: 1.75

Evergro Room
Greenhouse Vegetable
Chair: Linda Delli Santi, BCGGA, Surrey, BC
Sponsor: BC Greenhouse Growers' Association

9:00-9:30
Pesticide Update
Brad Breedveld, TerraLink Horticulture, Abbotsford, BC
New pesticide options for greenhouse vegetable growers and products that should be registered in the coming year.

9:30-10:10
Best Management Practices for Controlling Agrobacterium in Greenhouse Production
Sarah Brackman, Biosafe Systems, Olympia, WA
Setting up an integrated strategy to manage Agrobacterium infection. Areas of discussion will include Agrobacterium's role as a pathogen, effective sanitation application practices for prevention, managing irrigation water to prevent infection and curative control options.

10:10-10:20 Refreshment Break

10:20-11:10
Rootzone Management
Rens Muusers, GRODAN Group, North America
The rootzone environment needs to be managed to maintain optimum plant balance, production and fruit quality. Learn what functionalities the substrate has and how the grower can take advantage of these when developing an irrigation strategy.

11:10-12:10
Use of Banker Plants to Support a Biological Control Program
Ronald Valentin, Bioline Agrosciences Inc., Oxnard, CA
Banker plants are used to assist in establishing, supporting and maintaining a population of one or more biological control agents. The production and use of 3 banker plant systems will be discussed.

Pesticide Re-Certification Credits: 2.75

BASF Gallery
Potatoes
Chair: Leisa Yee, BCPVGA, Delta, BC
Sponsor: BC Potato & Vegetable Growers Assoc.

9:00-9:30
Reducing Phosphorus and Potassium Inputs – Making It Happen
Dru Yates, ES Cropconsult Ltd., Cloverdale, BC
There are good reasons to reduce nutrient inputs in potato production, the trick is to achieve that without compromising on production objectives.

9:30-10:00
Thrips In A Changing Climate
Kiara Jack, ES Cropconsult Ltd., Cloverdale, BC
Updates on the potential effect of thrips on yield, virus vectoring and factors encouraging population increases. Preliminary work on management strategies will also be presented.

10:00-10:10 Refreshment Break

10:10-10:35
Wireworm in Potatoes – Advances in New Chemistry and Management
Bob Vernon, AAFC, AAFC Agassiz Research & Development Centre, BC
Hear about advances in the pursuit of new chemistry and management of this important potato pest.

10:35-11:00
Biocontrol For Wireworms – How Far Have We Come?
Todd Kabaluk, AAFC Agassiz Research & Development Centre, BC
Chemical control of wireworms is difficult enough, so how can biological approaches offer any promise? Gains in foundational knowledge about wireworm biocontrol have paved the way for innovations which present a new way to look at future control options.

11:00-11:30
Diseases of Focus in FV Potatoes
Siva Sabaratnam, BCAGRI, Abbotsford, BC
Improving awareness of emerging potato diseases that we are seeing more of in FV potatoes is key to effective management and prevention.

11:30-noon
Weed Management and Resistance – Are We Using the Right Tools?
Ken Sapsford, BCAGRI, Kelowna, BC
Are there other options besides glyphosate and granoxone?

Pesticide Re-Certification Credits: 2.3

Pesticide Recertification Credit Program
LMHIA members holding a Pesticide Applicators Certificate may collect credits towards re-certification as an option to re-writing an exam at the end of the 5 year certificate. Growers may participate in the short course and other pre-approved educational events to collect the required credits (20) over the five year period of their certificate to become re-certified. Sessions at the Short Course which are eligible for pesticide re-certification credits are indicated with a ladybug logo.

To participate in the program a grower must:
• Maintain membership in the LMHIA (i.e. register for the short course each year)
• Possess a current & valid 5 year certificate in the agriculture general category
• Be able to read and comprehend English pesticide labels

Registration forms for the credit program will be available at the registration desk during the Growers’ Short Course.

Collect Pesticide Credits! Watch for the sessions with a ladybug logo. The total credits for eligible sessions are indicated at the bottom of each session.

MEETING ROOM SPONSORS
• BASF
• BMO Bank of Montreal
• Evergro
• Terralink Horticulture Inc.

Opening Reception
4 pm Thursday
Everyone Welcome

Cover photo credit:
Susan Smith, Industry Specialist
Field Vegetables and Organics
BCAGRI, Abbotsford
Thursday Afternoon, January 26, 2017

**Terralink Room**

**Raspberries/Strawberries**
Chair: Carolyn Teadale, BCAGRI, Abbotsford, BC
**Sponsor:** Raspberry Industry Development Council and Engage Agro

1:15-1:45
Brown Marmorated Stink Bug – A New Pest of Concern?
Nik Wiman, OSU, Corvallis, OR
BMSB has recently been detected in BC. How will this impact berry production?

1:45-2:45
Raspberry and Strawberry Breeding and Commercial Variety Recommendations
Michael Dossett, RIDC, BCSGA & BCBC, Abbotsford, BC
Pat Moore, WSU, Puyallup, WA
Wendy Hoashi-Erhardt, WSU, Puyallup, WA
Learn about new varieties that show promise in Pacific Northwest breeding programs.

2:45-3:20
Raspberry Replant Considerations
Tom Forge, AAFC Summerland Research and Development Centre, Summerland, BC
Eric Gerbrandt, Chilliwack, BC
Research results from field trials using plastic mulch, tissue culture and fumigation.

3:20-3:40
Evaluating New Products for Nematode Control
Tom Forge, AAFC Summerland Research and Development Centre, Summerland, BC
What new tools are in the pipeline for nematode control?

3:40-3:50
Raspberry Market Outlook
How will the world market impact prices in 2017?

**Pesticide Re-Certification Credits:** 1.5

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**Evergro Room**

**Floriculture**
Chair: Dave Woodske, BCAGRI, Abbotsford, BC
**Sponsor:** United Flower Growers

1:00-1:15
New Pest Update
Tracy Huegelsheuer, BCAGRI, Abbotsford, BC
The biology of corn rootworm and other pests recently detected in BC that may infest ornamental crops.

1:15-2:05
Don’t Allow Mealybugs to Creep Up on You
Raymond Cloyd, Kansas State University, Manhattan, KS
Dr. Hall will discuss the unique biology of powdery mildews and how this knowledge can be used to develop effective options to manage them on greenhouse ornamentals.

2:05-2:30
Only Pathologists Appreciate Plants with Mildew
Raymond Cloyd, Kansas State University, Manhattan, KS
Aphids are a common and difficult-to-control pest on many ornamental crops. Dr. Cloyd will discuss the key steps to develop a successful management program for aphids on greenhouse crops.

2:30-3:20
Managing Aphids on Floriculture Crops
Raymond Cloyd, Kansas State University, Manhattan, KS
Dr. Hall will discuss the unique biology of powdery mildews and how this knowledge can be used to develop effective options to manage them on greenhouse ornamentals.

2:30-4:00
Check for Compatibility Prior to Spraying
Ronald Valentin, Bioline Agrosciences Inc., Ontario, CA
Biocontrols alone may not always be sufficient to control pests. Other management options including pesticides may be necessary but pesticides can harm biocontrol agents. Ronald will discuss the importance of knowing the compatibility of a pesticide with biocontrols before application to avoid disrupting the biocontrol program.

**Pesticide Re-Certification Credits:** 2.75

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**BASF Room**

**Field Vegetables**
Chair: Noel Roddick, Delta, BC
**Sponsor:** ES Cropconsult

1:15-1:45
Soil Compaction – Causes and Consequences
Geoff Hughes-Games, BC ARDCORP, Abbotsford, BC
Once soil compaction starts, it can be very challenging to get out of the vicious cycle. While the best approach is avoidance, there are practical ways for a grower to turn things around.

1:45-2:15
Sprayer Technology: What Nozzles Do, How They Do It and Ensuring They Work
Tom Wolf, Agrimetrix Research & Training, Saskatoon, SK
The most important part of the sprayer is the nozzle, and there are several different ones out there that are suited for specific situations. Learn about what you can do to optimize sprayer setup for product performance, coverage and management of drift.

2:15-2:35
Once You Know What Nozzle You Need - How to Find It and Make It Work
Madeline Waring, Underdonk Enterprises Ltd., Langley, BC
Learn about helpful pesticide application equipment catalogues and educational tools from a former BCAGRI pesticide specialist.

2:35-3:05
Benefits of Drip Irrigation
Bruce Naka, Sound Water Advice, Kelowna, BC
Heard about the benefits of the latest technologies in application of drip irrigation and other equipment in vegetable production.

3:05-3:35
New Crops for the FV: Okra and Eggplant
Renee Prasad, UFV, Chilliwack, BC
Much has been learned after one year of field trials on how to optimize production for these 2 crops in the FV.

3:35-4:00
2017 BC Vegetable Production Guide Updates
Susan Smith, BCAGRI, Abbotsford, BC
**Pesticide Re-Certification Credits:** 1.25

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**BMO Room**

**Agroforestry / Alternate Crop Session**
Chair: Dave Trotter, BCAGRI, Abbotsford, BC
**Sponsor:** Lower Mainland Horticulture Improvement Association

12:45-1:00
Introduction to Agroforestry
Dave Trotter, BCAGRI, Abbotsford, BC
Agroforestry in BC focuses on complementing current on-farm management with a diversity of crops, possibly livestock and production practices; diversifying cashflow and labour; providing supplemental income; and, enhancing long-term sustainability.

1:00-1:30
Getting into Bigleaf Maple Syrup Production
Jay Rastogi, Ecowood Forestry Institute, Ladysmith, BC
Through Jay’s experiences with bigleaf maple tapping on Vancouver Island, he will guide you through what you need to know about the opportunities of producing bigleaf maple syrup.

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**BASF Room**

**Agroforestry Lessons Learned on a Small Lot Farm in the ALR**
Soura Zupanec and Jeff Riedker, Just Another Weed Patch Farm, Gabriola Island, BC
Updates on the last five years on establishing a diverse nut orchard, managing pastured laying hens, growing Syriam pumpkins and creating a thriving farmer-florist operation on less than four acres.

3:30-4:00
Current Status of British Columbia’s Truffle Industry
Sharmin Gamiet, Mythology Resources, Abbotsford, BC
The current status of BC’s cultivated and native truffle industries - what we’ve learnt since the industry was established 12 years ago, the challenges growers and foragers face and the potential for a lucrative industry.
Friday Morning, January 27, 2017

Terralink Room
Farm Business Management: “Habits for Successful Farm Business Managers”
Chair: Shawn Halter, BCAGRI, Abbotsford, BC
Sponsor: Growing Forward 2, A Federal-Provincial-Territorial Initiative

9:00-9:50
Twenty First Century Extension
Danny Klinefeiler, Texas A&M, College Station, Texas
Danny is an Extension Economist with Texas A&M, specializing in agricultural finance & management. He will present options to access programs and information targeting the needs of the twenty first century agriculture producer that will benefit you and your business.

10:00-10:50
Creating Silver Linings: Transform Risk into Opportunity
David Hillson is The Risk Doctor, Hampshire, UK
David is an international risk management consultant with a global reputation as an excellent speaker and presenter on risk. His blend of thought-leadership with practical application, presented in an accessible style will clarify how to turn your business risk into opportunity.

11:00-12:00
Develop the Habits of a Successful Farm Manager
Larry Martin, Agri-Food Management Excellence Inc., Guelph, ON
Larry teaches and coaches managers of farms, agribusiness and food companies from both Canada and the United States. His session will bring together the concepts of utilizing 21st century tools and risk management to develop your habits as a successful farm business manager.

BMO Room
Value of Biogas West
Presented by Canadian Biogas Association, BCAC and Halbar Consulting

9:00-12:00
For information: http://biogasassociation.ca/index.php/value_of_biogas_conference/west

Keynote: LARRY MARTIN,
Principal in AME Inc and Dr. Larry Martin and Associates

Larry Martin is currently a principal in Agri-Food Management Excellence Inc., a management training company and Dr. Larry Martin and Associates, a consulting operation. He also writes and consults on agri-food policy, commodity markets and strategy. He has worked with a wide array of companies and organizations in developing their strategic and operational, and/or risk management plans. He writes a monthly column on commodity markets for Food in Canada magazine.

His work has garnered him the awards of Fellow of the Canadian Agricultural Economics Society, the Wilson Loree Award for Excellence in Farm Business Management, and the Ontario Agricultural College Alumni Award for Excellence in Research. He was awarded a Queen Elizabeth II Diamond Jubilee Medal in 2012 for his contributions to Canada.

Larry holds Bachelors, Masters, and PhD degrees in agricultural economics. He was Professor and Chair in the Department of Agricultural Economics and Business at the University of Guelph. He was the founding Executive Director and subsequently CEO of the George Morris Centre, an independent think tank on agricultural issues and policies located in Guelph. He chaired a national task force on competitiveness in the agri-food sector for the federal Minister of Agriculture. He is responsible for the highly-acclaimed management and industry training programs that were run by the George Morris Centre and now by Agri-Food Management Excellence. He has a substantial body of refereed and non-refereed research on economic issues in the agri-food sector.

Larry is or has been a director of Ridley Canada, Lake Erie Farms, Taps Breweries Incorporated, Big Sky Farms, Coldspring Farms and a member of advisory boards for the Macdonald-Laurier Institute, Agriculture and Biotechnology Division of the Saskatchewan Research Council and of Bumnbrae Farms. He is also a member of the Institute of Corporate Directors.

Evergro Room
Agricultural Water Management
Chair: Stephanie Tam, BCAGRI, Abbotsford, BC
Sponsor: Lower Mainland Horticulture Improvement Association
Learn more about new water conservation technologies, updates on the new Water Sustainability Act, and groundwater licensing process.

9:00-9:20
Advanced Irrigation Technology
Steve Taylor, WaterTec Irrigation Ltd, Langley, BC
New technology in irrigation that will help conserve water and manage your irrigation system to increase yields

9:20-9:40
Achieving Irrigation Efficiency & Water Conservation Utilising Drip Irrigation
Bruce Naka, Sound Water Advise, Vernon, BC
A properly designed and installed irrigation system can not only conserve water and save electricity, it can also benefit your crops. The latest technologies in drip irrigation equipment and its ability to even further assist in water savings and crop benefit will be discussed.

9:40-10:00
Advances in Sensor-Based Irrigation Control
Lizzy Engerbretson, Decagon Devices Inc, Pullman, Washington, USA
Introducing PlantPoint, Decagon’s new system, that provides irrigation control based on soil moisture data.

10:00-10:15
Panel interview on Water Conservation Irrigation Technologies
Steve Taylor, Bruce Naka and Lizzy Engerbretson

10:15-11:00
The Water Sustainability Act (WSA) – What’s New and Upcoming
Ted White or Ian Graeme, BC Ministry of Environment (MOE), Victoria, BC
Update on the Water Sustainability Act (WSA) in regards to some new regulations that have been developed and will be in the near future.

11:00-11:30
Groundwater Licensing Online System
Ross Kreye and Milen Kootnikoff, BC Ministry of Forests, Lands and Natural Resource Operations (MFLNRO), Surrey, BC
What information is required when applying for groundwater licences and an overview of the application process.

11:30-11:40
Producer’s Experience in Groundwater Licence Application
David Mutz, Berry Haven Farm, Abbotsford, BC
Berry Haven’s experience on preparing and submitting a groundwater licence application, and some challenges he faced.

11:40-12:00
Panel interview on Water Sustainability Act (WSA) and Groundwater Licensing Process
Ted White/Ian Graeme, Ross Kreye, Milen Kootnikoff and David Mutz
Friday Afternoon, January 27, 2017

**Terralink Room**

**All Berries**
Chair: Carolyn Teasdale, BCAGRI, Abbotsford, BC
Sponsors: Lower Mainland Horticulture Improvement Association

1:15-1:45

**New Berry Pests to Watch For**
Tracy Hueppelsheuser, BCAGRI, Abbotsford, BC
How to monitor and manage red berry mite, currant bud mite and brown marmorated stink bug.

1:45-2:05

**New Pesticide Registrations and Minor Use Projects**
Caroline Bédard, BCAGRI, Kelowna, BC
Update on recent berry pesticide registrations and potential products for the future.

2:05-2:25

**Pesticide and Fumigator Applicators Certificate Updates**
David Nguyen, AgSafe, Langley, BC
What additional training will be required for spray applicators?

2:25-3:00

**Reducing Spray Drift with New Technology**
Andrew Landers, Cornell University, Geneva, NY
Spray recovery systems that can improve spraying efficiencies.

3:00-3:30

**Weed Management and Herbicide Resistance**
Ken Sapsford, BCAGRI, Kelowna, BC
What alternatives do we have to glyphosate and graminoxone?

3:30-4:00

**Food Safety and CanadaGAP Updates**
Elise Friesen, BCAGRI, Abbotsford, BC
Joe Lariviere, CanadaGAP, Kelowna, BC
What do buyers require? What are the updates to CanadaGAP? Hear tips on how to pass your food safety audit.

2:00-2:50

**Coordinating Direct Marketing**
Gary Morton, Skufood, St. Margaret’s Bay, NS
Gary specializes in value added product development and commercialization, direct marketing and agritourism. Working with clients to define and redefine their path to success he helps them find new value and profit from what they do. His specialty and expertise extends to a wide variety of areas including new value added product development and commercialization, direct marketing and agritourism, strategic business planning and market development strategy. He will discuss how to develop the business that is appropriate for you and the elements to make your direct farm market a success.

3:00-4:00

**From Production to Direct Marketing**
Alf & Sandee Krause, Krause Berry Farms, Langley, BC
Alf and Sandee have transformed their business and their lives from berry production to a vertically integrated destination operation that employs 20 full time and 200 seasonal staff to produce over 100 value added products, including those from the Krause Berry Farms Winery. Celebrating 43 years of serving guests and encouraging them to participate in their food experience!

**4:00 LMHIA General Business Meeting**

**Terralink Room**

Everyone Welcome!

**BMO Room**

**Value of Biogas West**
Presented by Canadian Biogas Association, BCAC and Hallbar Consulting
1:00-4:20

For information:

**Evergro Room**

**Direct Farm Market**
Chair: Shawn Halter, BCAGRI, Abbotsford, BC
Sponsor: Country Life In BC.

1:10-1:50

**Raising Awareness of Pepper Weevil**
David Woodske, BCAGRI, Abbotsford, BC

1:55-2:25

**Cabbage Root Maggot – A New Tool in the Arsenal**
Renee Prasad, UFV, Chilliwack, BC
Project work explores optimal timing and use protocols for Verimark and Pyrinex, for cabbage maggot control on direct seed and transplant brassica crops.

2:25-3:00

**Western Corn Rootworm – A New Pest in BC**
Tracy Hueppelsheuser, BCAGRI, Abbotsford, BC
Surveying has detected several important invasive weeds in the Sumas Prairie including yellow nutseed. Hear tactics for minimizing the spread.

2:00-2:50

**Reaching Your Customers**
Gary Morton, Skufood, St. Margaret’s Bay, NS
Gary specializes in value added product development and commercialization, direct marketing and agritourism, strategic business planning and market development strategy. He will discuss how to develop the business that is appropriate for you and the elements to make your direct farm market a success.

3:00-4:00

**From Production to Direct Marketing**
Alix & Sandee Krause, Krause Berry Farms, Langley, BC
Alf and Sandee have transformed their business and their lives from berry production to a vertically integrated destination operation that employs 20 full time and 200 seasonal staff to produce over 100 value added products, including those from the Krause Berry Farms Winery. Celebrating 43 years of serving guests and encouraging them to participate in their food experience!

**BASF Gallery**

**Vegetables**
Chair: Mike Boot, Engage Agro, Chilliwack, BC
Sponsor: Engage Agro

1:00-1:10

**Vegetable Varieties For 2017**
Brian Campbell, West Coast Seeds, Delta, BC
Leah Erickson, Stoke Seeds, Delta, BC
Jacob Slosberg, Osborne Seeds, Mt. Vernon, WA

1:10-1:55

**Red and Golden Table Beet Varieties – What are the Opportunities?**
Delita Pardue, Sakata Seed, Burlington, WA
Insights into promising table beet varieties, some being trialled in BC, that suit a wide variety of market tastes.

2:25-4:00

**BERRYHILL FOODS INC.**

Proud supporter of the Horticulture Growers Short Course

www.berryhillfoods.com
Saturday Morning, January 28, 2017

**Terralink Room**

**Blueberries**
Chair: Carolyn Teasdale, BCAGRI, Abbotsford, BC

9:00-9:25
European Starlings in Blueberry Fields
Oliver Busby, EBB Environmental Consulting, Delta, BC
Hear about recent starling monitoring and trapping research in Abbotsford.

9:25-9:40
Beyond Firmness: Re-Thinking Machine Harvesting for Fresh
Michael Dossett, BCBC, Abbotsford, BC
Long-term strategies to consider for machine harvesting for the fresh market.

9:40-10:15
Machine Harvesting – Panel Discussion
Ravi Bathe, Bathe Farms, Abbotsford, BC
Rudy Janzen, Janzen's Berry Farm, Abbotsford, BC
Anmol Mahil, Mahil Farms, Abbotsford, BC
Best management tips to ensure high quality machine-harvested blueberries.

10:15-10:30 Refreshment Break

10:30-11:20
Pruning Tips for Targeting Specific Markets and Harvest Methods
Bernadine Strik, OSU, Corvallis, OR
How to best prune different cultivars for optimal yield and fruit quality.

11:20-11:50
Packer-Processor Requirements for Quality Fruit
John Quapp, Nature’s Touch, Abbotsford, BC
Steve Phillips, Berryhill Foods, Abbotsford, BC
David Mutz, Berry Haven Farm, Abbotsford, BC
Nathan Sakuma, Driscoll’s, Mt. Vernon, WA
What farm management practices make your berries desirable to packer-processors?

**Evergro Room**

**Urban Agriculture: Business Risk**
Management
Chair: Gary Jones, Kwantlen Polytechnic University, Surrey, BC
Sponsor: Lower Mainland Horticulture Improvement Association

9:00-9:05
Welcome and Domestics

9:05-9:45
How Much Can I Make?
Marc Schulzbank, Fresh Roots, Vancouver, BC
In 2013 Marc undertook a survey of urban agriculture ventures in Vancouver, and today he’ll talk about what he found out about the state of farmers’ bank accounts. How do urban agriculture practitioners stack up against their rural colleagues when it comes to making money?

9:45-10:25
Finding Money – Funding Your New Business
Douglas Paille, Vancity, Fraser Valley region, BC
Douglas will talk about how lenders like VanCity can help with microfinance (small growers’ loans) and in particular Vancity’s partnership with FarmFolk-CityFolk on the local food micro loans program (zero interest). There will also be mention of the ‘Each One Grow One program’ that could be useful for start-up businesses.

10:25-10:35 Refreshment Break

10:35-11:15
Non-Profits: ‘Farmers on 57th’ as a Model
Karen Ageason, Farmers on 57th, Vancouver, BC
In 2009, the Farmers on 57th group, a project of Disability Alliance BC, began an agricultural project to transform one acre of the lush green space at George Pearson into community integrated gardens. Karen will share their story and suggest how to minimise the risk for such non-profit community-focused urban farms.

11:15-11:55
Making Do With Nothing. When There is No Land.
Gabriel Frisch, Frisch Farms, Vancouver, BC
Even if you don’t own land, (especially when you don’t own your farm land!), you need to mitigate the risks you are taking in growing your hard-fought vegetables. What are the pit-falls, and how can you overcome them?

11:55-12:00 : Closing Remarks

**BMO Room**

**Hazelnuts**
Chair: Neal Tebrinke, BC Hazelnut Growers Association, Agassiz, BC
Sponsor: BC Hazelnut Growers Association

9:00-9:15
Opening Remarks
Neal Tebrinke, President, BC Hazelnut Growers Association, Agassiz, BC
Welcome, overview and acknowledgment of sponsors and guest speakers

9:15-9:45
2016 Field Trials
Thom O’Dell, Nature Tech Nursery, Langley, BC
First yields of new hazelnut varieties.
Dr. O’Dell will give an update on the variety trials established in 2011, including the latest yield data.

9:45-10:00
Marketing Strategies
Garry Fehr, UFV, Abbotsford, BC
Update on University of the Fraser Valley involvement on hazelnut marketing strategy.

10:00-10:15 Refreshment Break

10:15-11:00
Keynote Speaker
Shawn Mehlenbacher, Oregon State University, OR
Update on the Hazelnut Breeding Program. Dr. Mehlenbacher will describe the hazelnut breeding program, including newly released varieties.

11:00-11:15
Business Expansion
Kevin, Fraser Valley Hazelnuts Ltd., Chilliwack, BC
Overview of their business and future expansion possibilities.

11:15-11:45
Managing Your Orchard
James Dick, Fraser Valley Overview of orchard management services.

11:45-12:00
AGM of the BCHGA
Chair, Neal Tebrinke, Agassiz, BC
Members and non-members welcome to attend: reports, financial statements and election of officers.

12:00-12:15
Wrap up and Closing
Bryan Gingerich, BC Hazelnut Growers Association, Agassiz, BC

**BASF Gallery**

**Organic**
Chair: Heather Meberg, ES Cropconsult Ltd., Cloverdale, BC
Sponsor: Fraser Valley Organic Producers Association

9:00-9:30
Strategies and Practices For Adapting to Climate Change
Emily MacNair, Climate Action Initiative, Victoria, BC
Climate change projections for the FV and their associated impacts to agriculture have sparked on-farm projects to demonstrate and evaluate production and pest management strategies to assist producers in adapting.

9:30-10:10
Understanding the Plant’s Response to Water Stress – Key to Effective Irrigation Management
Jose M. Celedon, UBC, Vancouver, BC
Hear insights from a plant biologist and irrigation specialist into soil and crop factors that influence how often and how long to irrigate; advantages and disadvantages of different irrigation systems; and tools to assist in becoming more water-efficient.

10:15-10:25 Refreshment Break

10:25-10:50
Aphid Management for Organics
Renee Prasad, UFV, Chilliwack, BC
Learn about aphid pest biology and management strategies in different cropping systems.

10:50-11:20
Biofumigation to Suppress Soil-borne Pests
Tom Forge, AAFC, Summerland Research & Development Centre, BC
A variety of organic amendments and green manures can be used as biofumigants for managing soil-borne pests and improving soil health.

11:20-noon
Field Management and Sanitation – Principles and Practicalities
Siva Sabaratnam, BCAGRI, Abbotsford, BC
Harvie Snow, Snow Farms, Delta, BC
Hear from a plant pathologist and a grower on management strategies for minimizing the introduction and establishment of plant pathogens and other crop pests and their impact on organic crop production.
Saturday Afternoon, January 28, 2017

Terralink Room

Blueberries
Chair: Anju Gill, BC Blueberry Council, Abbotsford, BC

1:15-1:25
Blueberry Mobile App
Karina Sakalauskas, BCBC, Abbotsford, BC
The Blueberry Council is developing a new app for pest and disease identification.

1:25-1:55
Advances in SWD Research Worldwide
Tracy Hueppelsheuser, BCAGRI, Abbotsford, BC
SWD research is a high-priority around the world. What SWD management techniques show promise for the future?

1:55-2:40
Optimizing Your Blueberry Inputs
Bernadine Strik, OSU, Corvallis, OR
How to tailor your nutrient inputs to blueberry plant needs.

2:40-3:05
Draper Fruit Drop Management
Eric Gerbrandt, Chilliwack, BC
Are calcium sprays able to reduce Draper fruit drop?

3:05-3:30
BC Blueberry Breeding Program and Variety Trial Update
Michael Dossett, BCBC, Abbotsford, BC
New blueberry varieties are being developed for quality, yield and disease resistance.

3:30-4:00
Future of Blueberry Markets
John Shelford, Naples, FL
What are the market prospects for processed blueberries?

Pesticide Re-Certification Credits: 1.0

Evergro Room

Hops
Chair: Raymond Bredenhof, BC Hop Growers Association, Abbotsford, BC
Sponsor: Lower Mainland Horticulture Improvement Association

1:00-1:30
History of Hops in BC
Ron Denman, Chilliwack Museum, Chilliwack, BC
The history of hops in BC including Vancouver Island, the Fraser Valley, the Interior and the Sunshine Coast. Includes information about the pickers and the main growers and ending with the last hops being shipped out of the Haas hop yards.

1:30-2:00
Hop Pathogens
Vippen Joshi, BCAGRI, Abbotsford, BC
An overview of hop plant disease detections in BC and resources available for help. Includes powdery and downy mildew, viruses, alternaria, fusarium and verticillium.

2:00-2:20 CLV Labs
Hops Testing
Alicea Mitchell, Commodity Lab Vancouver (CLV), North Vancouver, BC
The importance of getting your hops tested and understanding your results.

2:20-2:40
Agri-Stability
Dave Gill, BCAGRI, Abbotsford, BC
How to enroll and use Agri-Stability as a risk management tool for your hop farm.

2:40-3:20
Biology and management of insect pests of hops in the Pacific Northwest
Paul Abrams, Agriculture and Agri-Food Canada
An overview of insect pest management in hops, including introductions to pests of potential interest to British Columbia hops production.

BASF Gallery

Organic
Chair: Harvie Snow, Snow Farms, Delta, BC
Sponsor: Fraser Valley Organic Producers Association

1:00-1:45
BC Seed Trials Update - Building Resilience for BC Seed Production
Chris Thoreau, Farm Folk City Folk, Vancouver, BC
Alex Lyon, UBC, Vancouver, BC
Participatory variety trials in selected crops at the UBC Farm and on farms in the FV and VI are helping farmers identify promising varieties for seed production.

1:45-2:15
Wireworms – Know your pest to make the best control decisions
Todd Kabaluk, AAF, Agassiz Research & Development Centre, BC
Organic growers are particularly challenged in managing wireworm infestations. Understanding the life cycle and behaviour of wireworms has helped researchers innovate some non-chemical control strategies.

2:15-2:45
Managing Pests in Organic Potatoes in the FV
Heather Meberg, ES Cropconsult Ltd., Delta, BC
Success with potatoes starts with an understanding of some important pests and how to manage.

2:45-3:15
Better Understanding of Soil Reports
Dru Yates, ES Cropconsult Ltd., Cloverdale, BC
Jeff Nimmo, BCAGRI, Abbotsford, BC
Gain insights into what a soil report is telling you and useful nutrient management tools that incorporate aspects of soil test results.

3:15-3:45
Corn Root Worm – A New Pest for the FV
Tracy Hueppelsheuser, BCAGRI, Abbotsford, BC
Hear about this new pest of sweetcorn in British Columbia – pest biology, crop impacts and management options.

3:45-3:55
Be on the Lookout for Pepper Weevil
Tracy Hueppelsheuser, BCAGRI, Abbotsford, BC

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• United Flower Growers

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Registration fees: $90.00 (by January 10) or $120.00 (after January 10)

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The Horticulture Growers’ Short Course is produced jointly by the British Columbia Ministry of Agriculture and the Lower Mainland Horticulture Improvement Association in partnership with the Pacific Agriculture Show

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