



Showcasing the latest and most innovative equipment and technology for the agriculture industry



CannaTech West is presented in partnership with the Horticultural Growers' Short Course

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Second Annual CannaTech West Cannabis Conference



CannaTech brings the same level of technical information, the latest scientific research and networking opportunities to the BC Cannabis industry as the other Ag industries represented at the show. As the industry expands, it will be paramount that connections are made between producers, government agencies and universities so that production practices, regulation and research are coordinated and evolve to assist each other. We aim to make the Fraser Valley and BC a centre of excellence for Cannabis technology.

This popular program brings together presenters from local industry experts and BC Licensed Producers, Ontario scientists, Alberta Ministry of Agriculture specialists to advisors from Pennsylvania, Utah and South Carolina. The topics focus directly on crop production techniques such as Processing, Lighting/HVAC, IPM and Pesticide Registration, Nutrient Management, and Disease Management.

Program details are on the following page.

Plenty of networking opportunities exist during the one-day conference. Within the CannaTech meeting space there will be cannabis specific trade-show booths exhibiting the latest products, tools and technology for this emerging industry.

Lunch is included with your registration, a reception follows the conference and, of course, you can spend some time perusing the hundreds of agricultural vendor booths in the main halls of the Tradex Centre.

Friday, January 31, 2020
Tradex, Abbotsford



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Registration
\$150.00

*includes lunch

pre-register and save

SCHEDULE

9:00-10:15 Sessions

10:15-10:35

Refreshment Break

10:35-12:15 Sessions

12:15-1:00 Lunch

Visit Exhibitors

1:00-3:00 Sessions

3:00-4:00

Visit Trade Show

4:00-6:00

Reception

CannaTech West Program

Friday, January 31, 2020

9:00-9:05 **Introduction**

9:05-9:25 **Registering Pesticides for Use on Cannabis: A Reality Check**

Caroline Bédard, BCAGRI, Abbotsford, BC

A look into how conventional pesticides are registered for use in Canada, the challenges posed by cannabis production and regulation, and what comes next.

9:25-10:15 **Managing the Major Pests of Cannabis**

Suzanne Wainwright-Evans, Buglady Consulting, Pennsylvania

Cannabis growers have access to a limited number of pesticides and must take an integrated approach to effectively manage pests. Suzanne will discuss strategies to manage some of the most damaging pests of cannabis, which includes root and cannabis aphids, and broad and hemp russet mites.

10:35-11:15 **Surveillance of Cannabis Diseases and Disease Management Approaches**

Zamir Punja, Simon Fraser University, Burnaby, BC

Fungal diseases affecting cannabis crops include powdery mildew, Botrytis bud rot, Penicillium bud decay, and Fusarium and Pythium root and crown rots. These diseases can be found in most licensed production facilities. Dr. Punja will discuss approaches to monitor and manage these pathogens.

11:15-11:45 **Integrated Management of Botrytis**

Colin Ashbee, Technical Sales Manager, BioWorks, ON

Botrytis is a ubiquitous fungus that causes bud rot, which is a devastating disease of cannabis. It infects plants through wounds and is most damaging under cool and humid conditions. Colin will discuss how to use climate management and pesticides to manage botrytis on cannabis.

11:45-12:15 **HVAC System Control and Energy Efficiency Considerations**

Daniel Booy, President, Altum Engineering Ltd., Merville, BC

Heating, ventilating and air-conditioning (HVAC) systems play a critical role in the cannabis industry. This presentation begins with a brief introduction to HVAC fundamentals before moving on to control system and energy efficiency considerations.

1:00-1:35 **The Art and Science of Cannabis:**

Bridging the Gap Between Legacy Growing and Modern Horticulture

Deron Caplan, Director, Plant Science, The Flowr Corporation, Kelowna, BC

There is a long and rich history of legacy growers cultivating and improving drug-type cannabis, though much of this knowledge is clouded in secrecy and lacks rigorous scientific validation. In contrast, researchers have been improving production practices for many other crops for decades, creating a large body of detailed technical information. Dr. Caplan will discuss how modern cannabis growers and academic researchers can work together to marry these two worlds to grow the best possible cannabis.

1:35-2:05 **Physical Properties of Soilless Growing Media and Active Ingredients for Cannabis Cultivation**

Lance Lawson, Horticulture Specialist, Premier Tech Horticulture, Utah

The root medium is important for plant growth. It provides the roots with water and nutrients, and permits gas exchange and supports the plant. Lance will discuss the physical properties of soilless media and their importance to cultivate healthy and vigorous cannabis plants.

2:05-2:55

Processing of Cannabis Flowers

Allison Justice, Owner, The Hemp Mine, Fair Play, South Carolina

Prized French wines are aged for years in oak barrels, as are famous whiskies. Tobacco is air-, fire-, flue- or sun-cured. Cannabis, on the other hand, is quickly dried and then stored in a plastic bucket. Although many cannabis growers have their proprietary way of making the flower flavorful and aromatic, there is little to no research available to the industry for consistency. Anecdotal examples show that the chemical makeup is not only dictated by the strain/cultivar, but also influenced by grow methods, drying and curing.

The lack of data on any physical or chemical changes to the cannabis during drying and curing prompted us to undertake research into exploring what is happening during these processes. In this talk, data will be presented from Dr. Markus Roggen and Dr. Allison Justice on how to effect and control the chemical makeup of flower. They have devised protocols to monitor the dry and cure of cannabis flowers in a way that they are able to modulate the terpene and cannabinoid profiles. The talk will present their latest findings in this exciting field of post-harvest cannabis research.

2:55-3:00 **Closing Comments**

Don't miss out—Register today!!
www.agricultureshow.net/cannatech