



vineland
RESEARCH & INNOVATION CENTRE

Fall 2016

IN THIS ISSUE

We've Got Good Flavour 01

What's Growin' On Research 02
Farm Open House 2016

Advancing the Canadian 03
Table Grape Industry

Easy Home Harvest with 04
Organic Potted Blueberries

FOR THE LATEST INFO

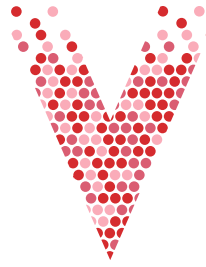
VinelandResearch



@vinelandrsrch



vinelandresearch.com



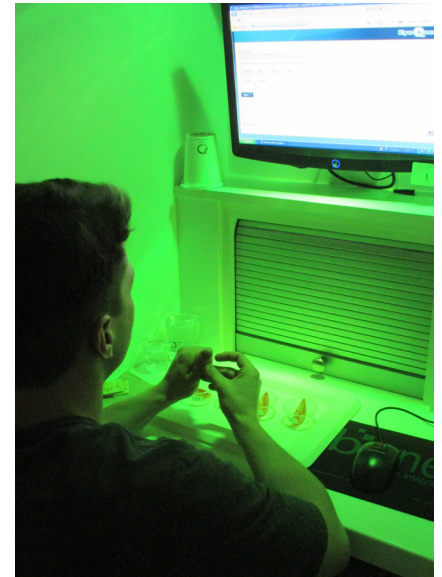
We've Got Good Flavour

In July, Vineland's Consumer Insights team conducted a tomato difference tasting test with a pre-screened sensory panel of staff and members of the community.

Participants tasted six sets of tomatoes in the Consumer Insights laboratory, grouped them based on similarity and recorded their results online.

Findings from this study will help Vineland breed flavourful tomato varieties with more consumer appeal.

Since 2013, Vineland researchers have been building consumer flavour preference maps and biochemical profiles to develop better-tasting tomato varieties for the Canadian greenhouse industry.



Tomato tasting at Vineland, July 21, 2016.

We thank the participants who took part in the study for their time and interest in this research program.

For more information:
Dr. Amy Bowen,
Research Program Leader,
Consumer Insights
905-562-0320 x805
amy.bowen@vinelandresearch.com



Tomato samples for taste testing.



What's Growin' On Research Farm Open House 2016



Chef Shawn Murphy's cooking demonstration using Vineland's world crops during What's Growin' On.

Chef Shawn Murphy of Dine by the Vine and Farm2Fork offered a cooking demonstration and tasting during Vineland's What's Growin' On Open House July 27.

Chef Shawn is a talented food enthusiast who uses locally grown Niagara region ingredients to craft memorable dishes.

During his demonstration, Chef Shawn offered tips on cooking Chinese long and Indian round eggplant grown at the Victoria Avenue farm as part of Vineland's world crops research program. The tasty appetizers on the menu included:

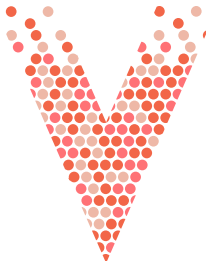
- Mini ravioli filled with Chinese long eggplant and Upper Canada ricotta cheese
- Indian round stuffed eggplant with sausage
- Curry-infused vegetarian Indian round eggplant

The event was a success welcoming a record number of people. Attendees toured the farm and learned more about three of Vineland's research programs - roses, apples and Consumer Insights on the rose market. Plant containers from the University of Guelph were also on display showing off their colourful blooms.

Stay up-to-date on Vineland's events by joining our mailing list at vinelandresearch.com



The event was well attended with guests enjoying their evening at the farm.



Advancing the Canadian Table Grape Industry

As part of a research project currently underway at Vineland Research and Innovation Centre (Vineland) consumers will soon be able to purchase new varieties of fresh grapes grown in Canada.

"Sovereign Coronation grapes bred by Agriculture and Agri-Food Canada in Summerland, British Columbia are the most widely cultivated table grapes in Canada", said Michael Kauzlaric, Technology Scout & Grower Outreach, Vineland. "Vineland is scouting the world for new fresh grape varieties suited to our climate with consumer appeal."

"This project provides a unique opportunity for the Ontario table grape industry to diversify and reach new consumers with seedless grape varieties to replace imports", said Sarah Marshall, Manager, Ontario Tender Fruit Growers.

In 2014, Vineland imported six seedless grape cultivars — three green and three blue — from a U.S. breeding program for testing with anticipated commercial release starting in 2018. In addition, five selections are in quarantine at a Canadian Food Inspection Agency facility



New grape cultivars being evaluated at Vineland's farm.

to check for viruses before being planted at the Vineland research test block.

"2016 is the first season where fruit in the test block will be evaluated. A number of characteristics will be assessed including yield, fruit quality along with pest and disease susceptibility and cold tolerance," said Kauzlaric. "The structure of grape clusters is also of importance and one main goal for breeders is to develop bunches the shape of the African continent."

Funding for this project is provided through the AgriInnovation program, under *Growing Forward 2 (GF2)*, a federal-provincial-territorial initiative. Additional contributors include, Ontario Tender Fruit Growers, Ontario Fresh Grape Growers, Vinetech Canada Inc. and University of Guelph.

For more information, please contact:
Michael Kauzlaric,

Technology Scout & Grower Outreach
905-562-0320 x755

michael.kauzlaric@vinelandresearch.com



Novel imported green table grape variety at Vineland.



Easy Home Harvest with Organic Potted Blueberries

You can now have container-grown organic blueberries at your fingertips thanks to new production techniques developed at Vineland Research and Innovation Centre (Vineland).

With increasing consumer demand for edible ornamentals, Vineland has been focusing on new technology for growing more potted plants including blueberries.

"We've developed a new organic growing substrate suitable to the production of plants in containers, such as blueberries," said Dr. Youbin Zheng, Research Scientist, Environmental Horticulture, Vineland.

"In addition, we've also devised protocols for growing potted blueberry plants using granular organic, liquid organic and conventional controlled-release fertilizers."

The growing substrate and production protocols are effective for blueberries and similar plant species.

Growers can now use this information to produce a larger number of edible ornamentals to supply the marketplace so consumers can grow their own in backyards or balconies.

The organic growing substrate is ready for licensing to collaborators. If interested, please contact: Lana Culley, Vineland's Director of Business Development at 905-562-0320 x747 or lane.culley@vinelandresearch.com

The production protocols will be available free of charge to growers by the end of September 2016.

This project was supported by the Canadian Ornamental Horticulture Alliance (COHA) research and innovation cluster and is funded in part through the AgrilInnovation Program under *Growing Forward 2 (GF2)*. *GF2* is a federal-provincial-territorial initiative. The Agricultural Adaptation Council assists COHA in the delivery of this research and innovation cluster.

The following companies have provided research materials: Willowbrook Nurseries, Millenniumsoils Coir, Biofert Manufacturing Inc., Blue Sky Nursery Limited, ICL Specialty Fertilizers and Bio-Ag Consultants & Distributors Inc.

For more information, please contact: Dr. Youbin Zheng, Research Scientist, Environmental Horticulture 905-562-0320 x765 youbin.zheng@vinelandresearch.com



Container-grown blueberry plant using a new organic substrate and innovative production techniques.