

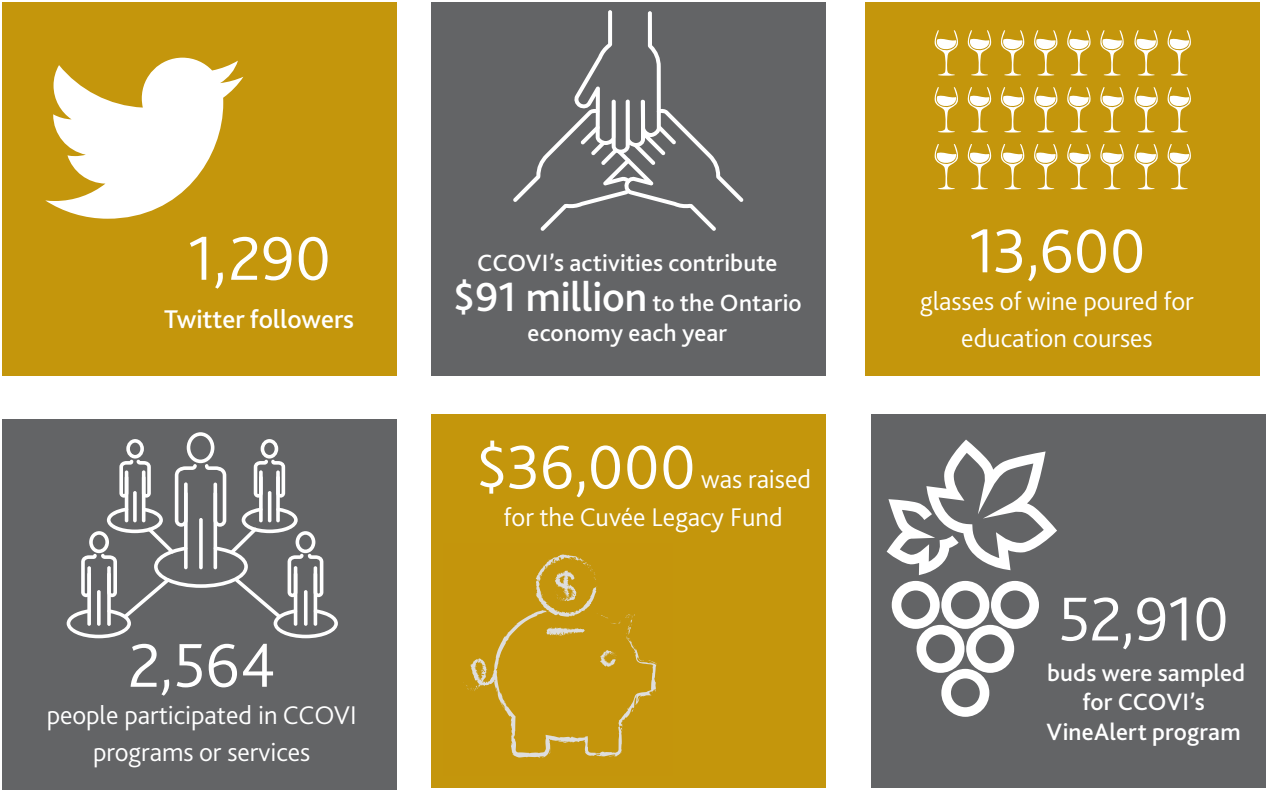


Cool
Climate
Oenology &
Viticulture
Institute

Brock University

Cool Climate Oenology
and Viticulture Institute
2015-16
Year in Review

In 2015-16:



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Message from the Director

Two decades ago, Brock University created CCOVI, which continues to be supported by the industry partners that helped found it: the Wine Council of Ontario, the Grape Growers of Ontario and the Winery and Grower Alliance of Ontario.

As CCOVI approached its 20th anniversary milestone in 2016, the institute hired an outside firm to evaluate the impact its activities have. The results were impressive, noting that CCOVI contributes more than \$91 million to the Ontario economy each year.

This helps demonstrate that by working closely with the industry that helped create us back in 1996, we can deliver on our objective of increasing the growth, profitability and sustainability of the Ontario grape and wine industry.

This fiscal year also marked significant milestones for some of our activities. Our sought-after industry and community events and programs reached a record high of more

than 2,500 participants in 2015-16. These activities not only help achieve CCOVI's knowledge mobilization objectives, but also help raise the profile of the University and institute within our community.

The 2016 Cuvée Grand Tasting, organized by CCOVI, showcased excellence in Ontario VQA winemaking while raising \$36,000 for the Cuvée Legacy Fund. This fund supports scholarships for the next generation of industry professionals and funds research projects that will provide the industry with applied research solutions.

As we continue to celebrate our 20th anniversary, we will reflect on the growth we've had to date and turn our focus towards the next set of priorities that will help the industry achieve the goals we all share.

Best regards,

Debbie Inglis
CCOVI Director

Making an impact

In January, CCOVI released an economic impact study that showed the institute was giving the Ontario economy a big boost. Based on data from 2014-15, the study revealed that CCOVI contributes more than \$91 million and the equivalent of 307 jobs to the province’s economy annually.

Conducted by the national management consulting firm MDB Insight, the economic impact study found that investments in CCOVI’s industry-driven research and education has translated into job and business growth across Ontario.

As CCOVI Director Debbie Inglis noted, the economic impact is a culmination of the programs and services that CCOVI has developed and transferred to the industry over the past decade.

“The size of CCOVI’s impact on the industry demonstrates that the institute’s combination of research, outreach and education activities are not only being used, but also embraced by the industry they were designed for,” she said.

Of the \$91-million overall impact, CCOVI’s research programs and services contributed an annual economic impact of more than \$86 million in 2014-15. To gauge its impact, the consultants evaluated CCOVI programs and services in seven categories: grapevine cold hardiness; ladybugs; new wine styles; Icewine; CCOVI services, workshops and seminars; and conferences. These programs provide both knowledge and hands-on tools or processes that the industry can use.

The study also directly attributed more than \$4.7 million worth of economic impact to Brock’s investment in CCOVI and government-and-industry supported research and development.

Along with quantifying the impact of CCOVI’s activities, the significant data gathered for this analysis will be used as a baseline as CCOVI begins to chart its path for the next 20 years.



CCOVI annual economic impact

Estimated labour income:	\$16,800,269
Employment impact	307 jobs created
Direct economic impact to the industry	\$58,152,371
Total economic impact generated by CCOVI	\$91,123,926
Crop loss avoidance	3,362 tonnes of grapes (represents approximately six per cent of the 2014 crop)

Creating knowledge through research

As Brock University's flagship multidisciplinary research institute, the Cool Climate Oenology and Viticulture Institute (CCOVI) embraces breaking free from convention and developing innovative partnerships to foster excellence in research, scholarship and creativity. CCOVI also continues to contribute to the economic impact of the sector, in direct alignment with Brock's strategic priorities.

CCOVI's research, continuing education and outreach activities are based on three pillars — quality, innovation and sustainability — which attend to the needs of individuals, organizations and institutions involved with the grape and wine industry across Canada and beyond.

industry challenges and identify new growth opportunities across the industry's entire value chain.

The industry's long-term sustainability depends on our capacity to develop innovative solutions that respond to the impact of both current and future climatic conditions on wine grape production. These conditions include winter injury, emerging viral, microbial and insect pressures from changing climate, and the viability of current varieties in 30 to 50 years. The growth of the grape and wine industry is dependent on developing tools that accurately assess consumer behaviour and improve wine quality to increase the domestic wine



As the institute has evolved, CCOVI has taken its research and services beyond the science disciplines of oenology and viticulture and expanded our activities to look at all areas of the grape and wine value chain.

CCOVI researchers take a multidisciplinary team approach to problem-solve priorities defined by the industry. This is done by working with industry partners and industry stakeholder organizations to advance the Canadian grape and wine industry.

The institute's globally competitive research program, developed in partnership with research colleagues across Canada and abroad, including financial support from OGWRI and inclusive of individual growers and wineries, will develop solutions to immediate

market share. Yet its challenges also pose unexploited opportunities that could transform our industry, such as defining new Canadian clone/rootstock combinations for our future climate using varieties with proven consumer appeal, establishing a national domestic clean plant program to support the industry's long-term sustainability, developing new products matched to our climate, focusing on high quality wines, and expanding Canadian wines into new markets.

CCOVI's research programs are increasing Canada's visibility and reputation as a global leader in oenology and viticulture; and in recruiting, training, and retaining world-class personnel (HQP) to support the industry in the years to come.

Publications

A key element of CCOVI's knowledge mobilization activities is the publication of research. CCOVI Researchers, Scientists and Fellows communicate the results of their research formally through books, book chapters, academic publications and conference proceedings, as well as informally through media interviews and outreach events.

During the 2015-16 fiscal year, Brock affiliated CCOVI researchers published two books and 36 academic publications on wine related topics. Not including presentations at the annual CCOVI Lecture Series, researchers presented their findings at 33 conference proceedings around the world.

To raise the institute's profile and continue knowledge transfer, CCOVI issued eight media releases and 54 news articles featuring the institute's activities.

2

Books



36

Publications



8

Media releases



54

News articles



Training of highly qualified personnel (HQP)

CCOVI is committed to training and mentoring highly qualified personnel across the grape and wine value chain. CCOVI researchers, scientists and fellows have a strong track record of student supervision and are committed to advancing the skills of future industry professionals.

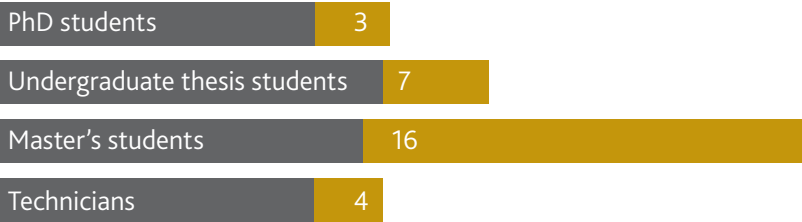
Although the undergraduate program is not run out of the institute, CCOVI has close ties to the program and has worked to create a culture for undergraduate research. Students in the Honours BSc OEVI program have the opportunity to study under the supervision of CCOVI researchers,

scientists and fellows to complete their fourth-year research thesis. Students work with their supervisors for eight months, managing their project throughout the research process.

Working under CCOVI researchers, undergraduate and graduate students gain experience contributing to industry-driven research that often directly impacts the partners they are working with. The institute is also committed to the development of skilled research technicians.



Highly qualified personnel by the numbers



New research programs

Developing new, globally competitive research projects based on industry-driven priorities is the focus of CCOVI's research programs. The programs aim to develop solutions to immediate industry challenges, identify new growth opportunities across the industry's entire value chain and accelerate the commercialization of globally competitive products and services to improve effective knowledge transfer back to industry.

In 2015-16, newly funded research programs:

- Took an integrative approach to improve grapevine health, wine quality, and the competitiveness and sustainability of the Canadian wine industry
- Analyzed the use of proximal sensing technology to improve efficiency for grape growers and wine producers

- Monitored bud cold hardiness for the VineAlert program
- Developed field-test tools to prevent bird damage in horticultural crops
- Examined the anti-cancer properties of a stilbene-enhanced wine grape skin extract
- Determined best practices for the use of geotextiles in vineyards
- Evaluated and validated existing grapevine cold hardiness models for Ontario
- Examined a mitochondrial redox switch regulated by resveratrol and other estrogen receptor beta agonists
- Studied the impact of the use of ecolabels in the wine industry

Grants and funding

This fiscal year marked a transition for CCOVI as it wrapped up work on a grant from the Ontario Research Fund Research Excellence Program — one of the largest grants in the institute’s history. As this program ended, CCOVI secured funding to devote resources towards new industry priorities going forward.

The more than \$250,000 in funding that CCOVI received directly from industry partners in 2015-16 demonstrates the institute’s commitment to its mandate of working on industry-driven research solutions to help grow the national industry. It also shows the confidence industry partners have in the research being completed at the institute.

Over the past five years, CCOVI has received more than \$6.2 million in government and industry funding. This funding has been used for research projects that look at topics across the grape and wine value chain.

Funding source	2015-16	2014-15	2013-14	2012-13	2011-12
Government funding with industry partners	\$491,268	\$985,500	\$786,163	\$1,219,000	\$1,210,000
Funding directly from Industry partners	\$251,120	\$132,235	\$148,365	\$65,000	\$94,000
Government funding without industry partners	\$85,000	\$285,140	\$256,140	\$99,408	\$91,816
TOTALS	\$827,388	\$1,402,875	\$1,190,668	\$1,383,408	\$1,395,816



Affiliated institutes and international partners

CCOVI’s international reputation for trailblazing research has made it a sought-after partner across the country and around the world.

CCOVI leads and develops new opportunities for Ontario’s Grapevine and Wine Research Network and strengthens Canada’s national grape and wine strategy through a coast-to-coast research network linking Atlantic Canada, Quebec, Ontario and British Columbia. These efforts bring forth advances in knowledge, training opportunities for students and solutions to industry issues, as well as strengthening the \$6.8-billion economic impact of the sector to Canada through technology and knowledge transfer.

CCOVI researchers and scientists belong to professional networks such as the American Society of Enology and Viticulture and the Academy of Wine Business Research. These

networks help raise the profile of the researchers work while making connections for future research partnerships.

International Cool Climate Wine Symposium

CCOVI utilized its strong relationships with stakeholder groups from across the country to put together a successful bid to host one of the world’s most prestigious international wine conferences.

The 10th International Cool Climate Wine Symposium (ICCWS) will take place at Brock in July 2020, attracting hundreds of grape and wine researchers, trade professionals and media from wine regions around the world.

The announcement marks the first time the conference will be hosted in Canada. With ever-changing conditions within the grape and wine industry, the conference will examine how adversity drives innovation to achieve success. Learn more at ICCWS2020.ca



Industry outreach



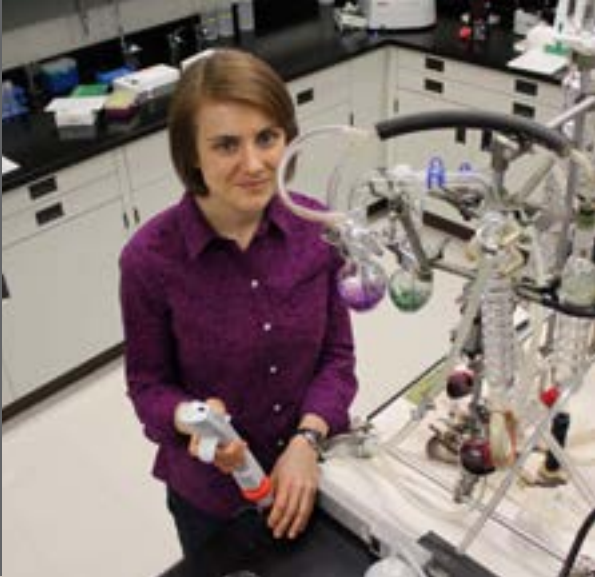
CCOVI’s outreach programs are pivotal in helping with the growth and sustainability of the grape and wine industry. The institute’s innovative outreach programs include services that help growers and winemakers make informed decisions in their operations, along with workshops, seminars and conferences that focus on knowledge mobilization.

In 2015-16, 1,185 industry professionals took part in or utilized CCOVI’s in-person outreach programs and services, with more taking advantage of the institute’s online resources.

In consultation with the industry, CCOVI is continually developing new programs and services to address current and future needs.

Industry participation in CCOVI outreach activities:

Outreach activity	2015-16	2014-15	2013-14	2012-13	2011-12
Workshops and seminars	510	315	627	424	612
Conferences	350	360	380	200	200
Outreach services	325	287	231	189	131
Total number of participating individuals	1,185	962	1,238	813	943



Analytical Services

CCOVI’s Analytical Services department offers a variety of standard testing services to the grape and wine industry. The juice and wine analysis the department provides fills a void in available services in Canada and provides winemakers timely service at competitive rates.

Along with providing support to CCOVI researchers, the department also acts as the third-party dispute resolution facility for the Grape Growers of Ontario.

Analytical Services statistics

	2015/16	2014/15	2013/14	2012/13	2011/12
Number of work orders	567	602	515	314	236
Number of customers	99	95	100	109	78

Preharvest monitoring program

CCOVI’s wine grape preharvest monitoring program has been tracking Niagara’s harvest for six years. The program tracks key fruit ripeness indicators for Chardonnay, Riesling, Pinot noir, Cabernet sauvignon and Cabernet franc at four sites across the Niagara Peninsula.

The data is available to the industry through an interactive website that allows users to compare

varieties and vintages at different sites across the region. This allows users to not only monitor the progression of this year’s harvest, but also to compare current numbers to previous harvests in order to understand vintage variation.

During the 2015 harvest, the database — which shows the progression of Niagara’s wine harvest — received more than 1,600 views from people in 38 countries.

Preharvest monitoring database views

Harvest season	2015	2014	2013	2012	2011
Database page views	1,658	2,106	2,510	2,803	2,722
Number of countries	38	23	n/a	n/a	n/a

To gather the data for VineAlert, **52,910** buds were tested during the 2015-16 winter

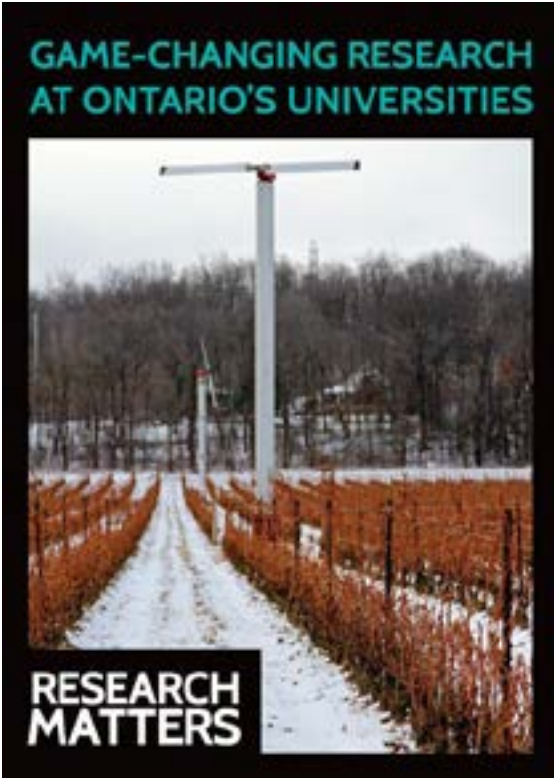
VineAlert

VineAlert is one of CCOVI’s flagship outreach programs. The program tracks the cold hardiness of grapevines throughout the dormant period and warns growers when to turn on wind machines to mitigate potential damage against impending extreme weather.

The service monitors grapevine cold hardiness in the province’s three largest grape growing regions: the Niagara Peninsula, Lake Erie North Shore and Prince Edward County. The VineAlert program is a collaboration between CCOVI and Ontario Grape and Wine Research Inc.

In 2016, VineAlert was selected by the Council of Ontario Universities’ Research Matters campaign as one of 50 ‘game-changing’ research partnerships between industry and universities. This recognition exemplifies how CCOVI’s strong partnerships with industry can advance research and innovation while simultaneously overcoming industry challenges.

In addition to assisting Ontario growers, the online cold hardiness database has been of interest to researchers and growers around the world. In 2015-16, users in 82 countries looked at VineAlert’s cold hardiness data.



Workshops, conferences and lectures

CCOVI’s workshops, conferences and lectures are a pivotal aspect of the institute’s industry outreach activities. These activities connect industry partners directly to experts who speak about current topics and facilitate knowledge translation and technology transfer.

Conferences

CCOVI’s Triggs International Premium Vinifera Lecture Series showcases world leaders in the cultivation of premium vinifera grapes to grape growers in Ontario and British Columbia. In August, CCOVI welcomed Glenn McGourty, an extension specialist from the University of California, to speak about the use of cover crops for premium wine grape production. With a vineyard field day and lecture in both provinces, 180 grape growers and winemakers were able to interact with McGourty.

CCOVI researchers also played an important role in the development of a program for the International Cool Climate Chardonnay Celebration’s education day. With 350 industry professionals participating, the

sold-out session gave industry participants an opportunity to learn more about the impact various viticulture and winemaking practices have on Chardonnay.

Sparkling wine programming

With both production and consumption of Ontario sparkling wine increasing, CCOVI hosted a new master class focusing on the impact of the vineyard on sparkling wine quality as well as continuing its popular winemaker-only group Fizz Club. The master class welcomed 54 growers and winemakers to Brock to hear from local and international viticulturists, including keynote speaker Fiona Kerslake. The December edition of Fizz Club included a tasting of research-trial sparkling wines with a forum discussing applied solutions. Forty winemakers participated.

Seminars from international experts

CCOVI facilitated two special guest seminars from international experts in 2015-16, welcoming Marc Eltom and renowned viticulturist Richard Smart. These livestreamed lectures gave the Canadian industry insight into international oenology and viticulture research.

VineAlert analytics					
Winter	2015-16	2014-15	2013-14	2012-13	2011-12
Database page views	14,713	15,533	16,742	9,117	10,819
VineAlert subscribers	226	192	131	80	53
Number of countries	82	67	43	n/a	n/a



Community engagement

Lecture Series

The 2016 CCOVI Lecture Series ran from February to April and featured nine lectures by CCOVI researchers, scientists, fellows, professional affiliates and their collaborators. Topics spanned the grape and wine value chain, including current research in oenology and viticulture, making production decisions and consumer behaviour insights on supporting local wineries.

The lectures attracted approximately 200 people — attending both in person and via livestream. Archived lecture videos remained popular online — with 1,118 views from 43 countries in 2015.

Lecture series views					
	2015	2014	2013	2012	2011
Page views	1,118	1,528	1,510	1,426	672
Number of countries	43	35	30	n/a	n/a

CCOVI’s community engagement activities aim to both raise the profile of the institute in the community and increase the presence of wine education opportunities at local wine events.

In 2015-16, the institute’s community engagement activities reached 1,379 people at five diverse events, including people attending Brock’s 50th anniversary Homecoming weekend.

Community engagement statistics					
	2015-16	2014-15	2013-14	2012-13	2011-12
Total number of participating individuals	1,379	1,002	492	610	460

Niagara Wine Festival

CCOVI brings education and entertainment to the Niagara Wine Festival by hosting Educate Your Senses wine and cheese seminars in Montebello Park. Partnering with the Cheese Cellar at Stoney Ridge Winery, the seminars connect festival attendees to winemakers as they hear the stories behind the wines being poured at the festival. At the 2015 festival, 115 community members participated in these interactive sessions.

Wine Tasting Challenge

More than 250 amateur and professional wine enthusiasts participated in the 2015 Wine Tasting Challenge hosted by CCOVI. Held at the National Club in Toronto, the competition was open to all professional sommeliers, food and wine industry professionals, students and wine enthusiasts.

Congratulations for the 2015 winners

Professional round

Grand award winner: Daniel Lafleur
 Second place: Roger Torriero
 Third place: Stephanie Guth

Amateur round

First place: Bob Tai
 Second place: Brendan Pennylegio
 Third place: Tara Romanyshyn

CCOVI VQA round: Ilya Senchuk

Spirit round: Ryan Corrigan



Global impact: lecture series videos have been viewed in more than 43 countries worldwide

International Cool Climate Chardonnay Celebration (i4C)

In July, guests attending the i4C's largest consumer events had the opportunity to profile their palate and learn from OEVI students and CCOVI staff. The activity identified the style of chardonnay that best matched their taste preference at the 'What kind of cool are you?' booth. Engagement activities like this aim to bring interactive wine education activities to consumer-focused events.



Cuvée Grand Tasting

The 2016 Cuvée Grand Tasting marked the second year that CCOVI has organized one of Canada's most prestigious wine celebrations. A sold-out crowd of more than 800 people celebrated excellence in Ontario winemaking on March 4 at the Grand Tasting.

With the help and support of generous sponsors, the 28th annual Cuvée event was hosted at the Scotiabank Convention Centre and featured 48 VQA wineries and 12 celebrated chefs. The Après Cuvée after

party gave guests the chance to dance the night away while tasting sparkling wine, Icewine and local craft beer and cider.

The Cuvée en Route program allowed guest to continue their wine weekend with exclusive tasting flights at 35 participating wineries across the Niagara Peninsula.

The event generated net revenues of more than \$36,000, most of which went to support student scholarships and grape and wine research through the Cuvée Legacy Fund.

Awards and recognition

Rossana Magnotta, a leader in the wine industry and a strong advocate for healthcare, was recognized as the 2016 Distinguished Leader of Brock's Goodman School of Business.

OEVI student Damian Espinase Nandorfy received the Ontario Hostelry Institute's \$3,500 Oenology and Viticulture scholarship.

Sebastien Savard, a fourth-year OEVI student, received the inaugural Carlo Negri Memorial Award from Colio Wines in the amount of \$5,000.



Awards handed out by CCOVI

Father and son grape growers Howard and Wes Lowrey from St. David's were honoured with the Cuvée Vineyard of Excellence Award for their Cabernet sauvignon vineyard. The 2016 category was best red vinifera, the award was sponsored by BASF Canada Inc.

The Tony Aspler Cuvée Award of Excellence was presented to viticulturist Lloyd Schmidt, for advancing viticulture in Ontario by accessing the best vinifera varieties from nurseries around the world.

Cuvée Legacy Fund scholarships

- Cuvée Hosting Award for Academic Excellence (\$5,000): Damien Espinase Nandorfy, fourth-year Oenology and Viticulture student
- Cuvée Award for Academic Excellence (\$2,500): Sebastien Savard, third-year Oenology and Viticulture student
- Cuvée Award for Academic Excellence (\$2,500): Emilie Jobin Poirier, Certificate in Grape and Wine Technology
- Cuvée Graduate Scholarship (\$5,000): Jennifer Kelly, PhD candidate in Biotechnology

2016 VQA Promoters Award winners

- Education: Peter Blakeman, program co-ordinator for culinary programs, Niagara College
- Hospitality: Greg Elmhirst, general manager, Elmhirst Resort
- LCBO: Nina Hofer, product consultant, LCBO store 522
- Promoter-at-Large: Norman Hardie, owner and winemaker, Norman Hardie Winery
- Lifetime Achievement: Peter Gamble, winemaker and consultant



Education

Oenology and Viticulture degree program

With CCOVI's resources, Brock is uniquely positioned in Canada to offer undergraduate, graduate and certificate programs in Oenology and Viticulture (OEVI). Although CCOVI does not administer the degree programs, the institute has close ties to how they operate. CCOVI also offers education sessions and volunteer opportunities to students and supports alumni with professional development after graduation. For the 2015-2016 academic year, there were



13,600
glasses of wine poured for education courses



34 students studying at the undergraduate level. Of that, 27 were registered in the Honours BSc degree while seven were taking the Certificate in Grape and Wine Education. Also during this period, there were 16 students pursuing master's degrees and three students pursuing their PhD in grape- and wine-related fields.

Continuing education

CCOVI provides education opportunities for wine enthusiasts as well as professional development courses for industry professionals.

As a program provider for the Wine & Spirit Education Trust (WSET), a highly respected and internationally transferable wine certification, the continuing education program attracts students from around the world to take part in in-class and online sessions.

In 2015-16, CCOVI offered the WSET Level 2 certification as well as Wine Appreciation to a total of 77 students via online and in-class options. By offering the WSET Level 2 online, CCOVI is able to expand the pool of potential students.

Wine appreciation and WSET courses					
	2015-16	2014-15	2013-14	2012-13	2011-12
Number of courses	3	4	6	6	5
Number of students	77	117	103	131	122

CCOVI Executive Committee

Gary Libben,
Don Cyr,
Patrick Gedge,
Matthias Oppenlaender,

Allan Schmidt,
Donald Ziraldo,
Debra Inglis,
Chair, Vice President of Research, Brock University
CCOVI Fellow
Industry representative, Winery and Grower Alliance of Ontario
Industry representative, Ontario Grape and Wine Research Inc. and the Grape Growers of Ontario
Industry representative, Wine Council of Ontario
Industry representative, CCOVI Advisory Council
Ex-officio, CCOVI Director

CCOVI Advisory Council

Allan Jackson,
Richard Linley,
Ed Madronich,
Klaus Reif,
Allan Schmidt,
Bill George,
Bill Schenck,
Debbie Zimmerman,
Anthony Bristow,
Jim Clark,
Patrick Gedge,
Matthias Oppenlaender,
Dan Paszkowski,
Jim Brandle,
Donald Ziraldo,
Marg Bancroft,
Eugene Jaworski,
George Soleas,
Jeff Leal,

Michael Toombs,

Laurie Macdonald,
Craig Youdale,
Wayne Caldwell,

Neil McCartney,
Gary Libben,
Gary Pickering,
Don Cyr,
Barb Tatarnic,
Debra Inglis,
Chair, Industry representative
Industry representative, Wine Council of Ontario
Industry representative, Wine Council of Ontario
Industry representative, Wine Council of Ontario
Industry representative, Wine Council of Ontario
Industry representative, Grape Growers of Ontario
Industry representative, Grape Growers of Ontario
Industry representative, Grape Growers of Ontario
Industry representative, Winery and Grower Alliance of Ontario
Industry representative, Winery and Grower Alliance of Ontario
Industry representative, Winery and Grower Alliance of Ontario
Industry representative, Ontario Grape and Wine Research Inc.
Industry representative, Canadian Vintners Association
Industry representative, Vineland Research and Innovation Centre
Invited guest, Ziraldo Estate Wines
Government representative, Agriculture and Agri-Food Canada
Government representative, Agriculture and Agri-Food Canada
Government representative, Liquor Control Board of Ontario
Government representative, Ontario Minister of Agriculture, Food and Rural Affairs
Government representative, Ontario Ministry of Agriculture, Food and Rural Affairs
Regulatory agency representative, VQA Ontario
Education representative, Canadian Food and Wine Institute, Niagara College
Education representative, Interim Dean of the Ontario Agricultural College, University of Guelph
Brock representative, Vice President, Academic
Brock representative, Vice President, Research
Brock representative, CCOVI Researcher
Brock representative, CCOVI Fellow
CCOVI representative, Manager of outreach and continuing education
Ex-officio, CCOVI Director

CCOVI Outreach Committee

Barb Tatarnic,
Belinda Kemp,
Jim Willwerth,
Kevin Ker,
Kevin Buis,
Jamie Evans,
Gerald Klose,
Daniel Speck,
Sue Ann Staff,
Colin Stanners,
Dan Sullivan,
Roger Vail,
Kevin Watson,
Scott Wilkins,
Debra Inglis,
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CCOVI oenologist
CCOVI viticulturist
CCOVI Research Associate
Industry representative, Grape Growers of Ontario
Industry representative, Wine Council of Ontario
Industry representative, Winery and Grower Alliance of Ontario
Industry representative, Wine Council of Ontario
Industry representative, Wine Council of Ontario
Industry representative from a grape and wine region outside of Niagara
Industry representative from a grape and wine region outside of Niagara
Industry representative, Winery and Grower Alliance of Ontario
Industry representative, Grape Growers of Ontario
Industry representative from a grape and wine region outside of Niagara
Ex-officio, CCOVI Director

CCOVI Executive Committee, Advisory Council and Outreach Committee

CCOVI Researchers, Scientists, Fellows, Professional Affiliates

CCOVI Researchers

Debbie Inglis,
Gary Pickering,
Andrew Reynolds,

CCOVI Director, Associate Professor Biological Sciences
Professor, Biological Sciences
Professor, Biological Sciences

CCOVI Scientists

Belinda Kemp,
Jim Willwerth,

Senior Scientist in Oenology
Senior Scientist in Viticulture

CCOVI Fellows

Ralph Brown,
Don Cyr,
Dirk De Clercq,
Vincenzo De Luca,
Ronald Jackson,
Lester Kwong,
Antonia Mantonakis,
Annette Nassuth,
Michael Ripmeester,
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Associate Professor, Social Sciences, Brock University
Associate Professor, Goodman School of Business, Brock University
Molecular and Cellular Biology, University of Guelph
Professor, Social Sciences, Brock University
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Associate Professor, Biological Sciences, Brock University
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CCOVI Professional Affiliates

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Viticulture research scientist, AAFC’s Summerland Research and Development Centre

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Margaret Cliff,

Wine writer, author and educator
Sensory research scientist, AAFC’s Summerland Research and Development Centre

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Karl Kaiser,
Kevin Ker,
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Gerry Neilson,

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Extension specialist, Ontario Ministry of Agriculture, Food and Rural Affairs
Plant and soil research scientist, AAFC’s Summerland Research and Development Centre

Daniel O’Gorman,
Richard Smart,
George Soleas,
Daryl Somers,
Kevin Usher,

Research biologist, AAFC’s Summerland Research and Development Centre
Viticulture consultant
Senior VP, logistics and quality assurance, LCBO
Research Director, Vineland Research and Innovation Centre
Oenology research scientist, AAFC’s Summerland Research and Development Centre





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