









| <b>All times indicated are Atlantic Time (ADT) Monday, August 30</b>   |             |  |  |                     |
|--|-------------|--|--|---------------------|
|  | <b>Time</b> | <b>Presenting Author</b>                                     | <b>Title</b>   | <b>Transmission</b> |
| <b>Opening of the International Vaccinium Symposium</b>  | 9:00        | David Percival   | Welcome attendees  | Recorded            |
|  | 9:10        | Jennifer Bain  | Welcome message- Dalhousie University  | Recorded            |
|  | 9:15        | Gilles Saindon   | Welcome on behalf of the Government of Canada and Agriculture and Agri-Food Canada   | Recorded            |
|  | 9:20        | Jorge Retamales  | ISHS Greetings   | Recorded            |
|  | 9:25        | James Polashock  | ISHS Greetings   | Recorded            |
| <b>Technical Session 1: Plant Physiology and Plant Nutrition</b><br><b>Moderator: Peter Jeranyama</b>  |             |  |  |                     |
| <b>Session Sponsor:</b><br>                                       | 9:30        | Peter Jeranyama  | Optimal nitrogen fertilizer application rates for second-generation cranberry hybrids  | Recorded            |
|  | 9:45        | Jorge Retamales  | Sectorial pruning of highbush blueberries: long-term effects on yield and fruit quality  | Recorded            |
|  | 10:00       | Hong Yu  | Water requirement estimation of rabbiteye blueberry seedlings based on water surface evaporation method  | Recorded            |
|  | 10:15       | Amos Samkumar<br>Rajan Premkumar                             | Light quality from supplemental light emitting diodes modulates secondary metabolites biosynthesis in ripening bilberry ( <i>Vaccinium myrtillus</i> L.) | Recorded            |
|  | 10:30       | <b>Questions and Discussion</b>                              |  |                     |
| <b>BREAK</b>   | 10:45       | <b>Coffee Break, Speed Networking, and Virtual Tradeshow</b> |  |                     |
| <b>Technical Session 2: Breeding, Genetics, and Phenomics</b><br><b>Moderator: Lara Giongo</b>   |             |  |  |                     |
| <b>Session Sponsor:</b><br><br>Agriculture and Agri-Food Canada | 11:00       | Lara Giongo  | Comparative study on texture: a key trait for blueberry fruit quality breeding   | Recorded            |
|  | 11:15       | Jodi Humann  | Using the genome database for Vaccinium for genetics, genomics, and breeding research  | Recorded            |
|  | 11:30       | Samir Debnath  | Molecular variation, genetic structure and antioxidants in Vaccinium germplasm   | Recorded            |
|  | 11:45       | Soichiro Nishiyama   | Characterization of population structure and genetic variation of chilling requirement in southern highbush blueberry                                    | Recorded            |
|  | 12:00       | <b>Questions and Discussion</b>                              |  |                     |
| <b>BREAK</b>   | 12:15       | <b>Nutrition Break and Virtual Tradeshow</b>                 |  |                     |
| <b>Technical Session 3: Berry Composition and Quality</b><br><b>Moderator: Katherine Ghantous</b>  |             |  |  |                     |
| <b>Session Sponsor:</b>  | 13:00       | Katherine Ghantous   | Concentration of quinclorac in cranberry plant tissue with repeated annual applications  | Recorded            |

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|                               | 13:15 | Marlee Trandel-Hayse                 | Method optimization and cell wall analysis for peel and pulp of blueberry cultivars  | Recorded        |
|  | 13:30 | Penelope Perkins-Veazie              | New tools for rapid fruit quality analysis in blueberry  | Recorded        |
|  | 13:45 | <b>Questions and Discussion</b>      |  | <b>Live</b>     |
| <b>Plenary</b>   | 14:00 | <b>David Brazelton</b>               | <b>Blueberries- Where have we been and where are we going?</b>   | <b>Recorded</b> |
| <b>Technical Session 4: Pest Management</b>  |       |                                      |  |                 |
| <b>Moderator: Bill Cline</b>   |       |                                      |  |                 |
| <b>Session Sponsor:</b><br>   | 15:00 | Bill Cline                           | Diseases and insects of economic importance affecting blueberry fruit in North Carolina  | Recorded        |
|  | 15:15 | Alex Cornel                          | Assessing fungicide efficacy for improved management of the wild blueberry foliar disease complex in eastern Canada                                  | Recorded        |
|  | 15:30 | Seanna Annis                         | Mummy berry forecast system improves control of disease in Maine lowbush blueberry   | Recorded        |
|  | 15:45 | Rishi Ram Burlakotti                 | Baseline sensitivity of Septoria species associated with lowbush blueberry foliar disease to chlorothalonil and propiconazole fungicides             | Recorded        |
|  | 16:00 | <b>Questions and Discussion</b>      |  | <b>Live</b>     |
| <b>Technical Session 5: Breeding, Genetics, Genomics, and Phenomics</b>  |       |                                      |  |                 |
| <b>Moderator: Massimo Iorizzo</b>  |       |                                      |  |                 |
| <b>Session Sponsor:</b><br> | 16:15 | Massimo Iorizzo                      | VacciniumCAP, a community-based project to develop advanced genetic tools to improve fruit quality in blueberry and cranberry                        | Recorded        |
|  | 16:30 | Kim Hummer                           | Confirming clonal identity: a case study in blueberries  | Recorded        |
|  | 16:45 | Mark Ehlenfeldt                      | <i>V. meridionale</i> hybrids with 4x highbush blueberry   | Recorded        |
|  | 17:00 | Michael Dossett                      | Challenges and strategies breeding for firmness, resistance to bruising, and reduced splitting tendency in blueberry in British Columbia             | Recorded        |
|  | 17:15 | <b>Questions and Discussion</b>      |  | <b>Live</b>     |
| <b>Technical Session 6: Production Systems and Sustainability</b>  |       |                                      |  |                 |
| <b>Moderator: Alejandro Pannunzio</b>  |       |                                      |  |                 |
| <b>Session Sponsor:</b><br> | 17:30 | Alejandro Pannunzio                  | Water footprint and life cycle assessment as approaches to compare three blueberry varieties and two ways of marketing either bulk or in clam shells | Recorded        |
|  | 17:45 | Johannes Balas                       | Attempts of cultivation of bilberry in a horticultural system  | Recorded        |
|  | 18:00 | Mathias Amundsen                     | Effects of geographic origin and environmental conditions on anthocyanin profile of wild Norwegian lingonberries ( <i>Vaccinium vitis-idaea</i> L.)  | Recorded        |
|  | 18:15 | <b>Questions and Discussion</b>      |  | <b>Live</b>     |
| <b>End of Day 1</b>  | 18:30 | <b>Conclusions and Announcements</b> |  |                 |

| <b>All times indicated are Atlantic Time (ADT) Tuesday, August 31</b>  |              |  |  |                     |
|--|--------------|--|--|---------------------|
|  | <b>Time</b>  | <b>Presenting Author</b>                                       | <b>Title</b>   | <b>Transmission</b> |
| <b>Welcome for the day</b>   | <b>9:10</b>  | Neri Vautour   | Greetings from the Wild Blueberry Association of North America (Canada)  | Recorded            |
|  | <b>9:15</b>  | David Gray   | Greetings from the Faculty of Agriculture, Dalhousie University  | Recorded            |
|  | <b>9:20</b>  | Loretta Robichaud  | Greetings from the Province of Nova Scotia   | Recorded            |
|  | <b>9:25</b>  | Bloyce Thompson  | Greetings from the Province of Prince Edward Island  | Recorded            |
| <b>Technical Session 7: Production Systems and Sustainability</b><br><b>Moderator: Inger Martinussen</b>           |              |  |  |                     |
| <b>Session Sponsor:</b><br><br>   | <b>9:30</b>  | Inger Martinussen  | Norwegian wild berries -increased predictability and value creation - the WILDBERRIES project                                | Recorded            |
|  | <b>9:45</b>  | Hong Yu  | The development trend and potential of the blueberry industry in China   | Recorded            |
|  | <b>10:00</b> | Melinda Simpson  | The Australian story: blueberry production past, present and future  | Recorded            |
|  | <b>10:15</b> | Teresa Valdivieso  | <i>Corema album</i> from the wild to the field   | Recorded            |
|  | <b>10:30</b> | <b>Questions and Discussion</b>                                |  |                     |
| <b>BREAK</b>   | <b>10:45</b> | <b>Coffee Break and Speed Networking and Virtual Tradeshow</b> |  |                     |
| <b>Technical Session 8: Breeding, Genetics, Genomics, and Phenomics</b><br><b>Moderator: Dorrie Main</b>           |              |  |  |                     |
| <b>Session Sponsor:</b><br><br> | <b>11:00</b> | Dorrie Main  | Using the GDV breeding information management system for efficient management and analysis of breeding data                  | Recorded            |
|  | <b>11:15</b> | Mark Ehlenfeldt  | Breaking interspecific barriers in Vaccinium: <i>V. meridionale</i> hybrids with blueberry, cranberry, and lingonberry       | Recorded            |
|  | <b>11:30</b> | Joe Kawash   | Identifying epistatic loci for fruit rot resistance in cranberry using machine learning                                      | Recorded            |
|  | <b>11:45</b> | Eric Gerbrandt   | Heritability of leaf and fruit calcium may enable selection against green fruit drop disorder in highbush blueberry breeding | Recorded            |
|  | <b>12:00</b> | <b>Questions and Discussion</b>                                |  |                     |
| <b>BREAK</b>   | <b>12:15</b> | <b>Nutrition Break and Virtual Tradeshow</b>                   |  |                     |
| <b>Technical Session 9: Breeding, Genetics, Genomics, and Phenomics</b><br><b>Moderator: James Polashock</b>       |              |  |  |                     |

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| <b>Session Sponsor:</b><br>    | <b>13:00</b> | James Polashock                      | Cranberry genomics: advances and applications  | Recorded    |
|   | <b>13:15</b> | Savithri Nambeesan                   | Transcriptome analysis of ethylene-regulated ripening in blueberry fruit   | Recorded    |
|   | <b>13:30</b> | Svetlana Yurgel                      | Soil and plant-associated microbiomes in <i>Vaccinium angustifolium</i> management system                                | Recorded    |
|   | <b>13:45</b> | Robert Martin                        | High throughput sequencing aided identification of a novel luteovirus infecting blueberry                                | Recorded    |
|   | <b>14:00</b> | <b>Questions and Discussion</b>      |  | <b>Live</b> |
| <b>Plenary</b>  | <b>14:15</b> | <b>Laura Jaakola</b>                 | <b>Phenolic compounds in <i>Vaccinium</i> spp.: diversity, biosynthesis, and molecular regulation.</b>                   | Recorded    |
| <b>Technical Session 10: Berry Composition and Postharvest Physiology</b><br><b>Moderator: Sebastian Rivera</b> |              |                                      |  |             |
| <b>Session Sponsor:</b><br>   | <b>15:00</b> | Sebastian Rivera                     | Blueberry mechanical properties: Influence of harvest maturity and storage relative humidity                             | Recorded    |
|   | <b>15:15</b> | Richard Espley                       | The spatio-temporal accumulation and regulation of anthocyanin in <i>Vaccinium</i>                                       | Recorded    |
|   | <b>15:30</b> | Giverson Mupambi                     | Investigating the potential of S-ABA to increase anthocyanin biosynthesis in 'Stevens' and 'Howes' cranberry             | Recorded    |
|   | <b>15:45</b> | Nelly Arellanes Juarez               | Phenolic compound content in blueberry var. Biloxi grown in the Sierra Norte of Oaxaca, Mexico, harvested in warm season | Recorded    |
|   | <b>16:00</b> | <b>Questions and Discussion</b>      |  | <b>Live</b> |
| <b>Technical Session 11: Germplasm and Propagation</b><br><b>Moderator: Margit Laimer</b>                       |              |                                      |  |             |
| <b>Session Sponsor:</b><br>  | <b>16:15</b> | Margit Laimer                        | Germplasm collection of <i>Vaccinium</i> species in vitro  | Recorded    |
|   | <b>16:30</b> | Umanath Sharma                       | A comparison of three culture systems in shoot proliferation of lingonberry  | Recorded    |
|   | <b>16:45</b> | Eduviges Borroto Fernández           | Phytoplasmas in <i>Vaccinium</i>   | Recorded    |
|   | <b>17:00</b> | <b>Questions and Discussion</b>      |  | <b>Live</b> |
| <b>Technical Session 12: Plant Physiology</b><br><b>Moderator: Bernadine Strik</b>                              |              |                                      |  |             |
| <b>Session Sponsor:</b><br>  | <b>17:15</b> | Bernadine Strik                      | Lessons learned from long-term research on organic production systems of northern highbush blueberry                     | Recorded    |
|   | <b>17:45</b> | Kenneth Anku                         | Remote assessment of phenology and Monilinia and Botrytis diseases in wild blueberry fields                              | Recorded    |
|   | <b>18:00</b> | <b>Questions and Discussion</b>      |  | <b>Live</b> |
| <b>End of Day 2</b>   | <b>18:15</b> | <b>Conclusions and Announcements</b> |  |             |

| <i>All times indicated are Atlantic Time (ADT) Wednesday, September 1</i>   |       |  |  |              |
|---|-------|--|--|--------------|
|   | Time  | Presenting Author                            | Title  | Transmission |
|   | 9:15  | David Percival                               | Update and greetings of the day  | Recorded     |
| <b>Technical Session 13: Pest Management</b><br><b>Moderator: Philip Fanning</b>  |       |  |  |              |
| <b>Session Sponsor:</b><br>                | 9:30  | Philip Fanning                               | Integrated pest management for spotted wing drosophila in blueberry  | Recorded     |
|   | 9:45  | Daniel Kirschbaum                            | Occurrence and population fluctuations of <i>Drosophila suzukii</i> (Diptera: Drosophilidae) in blueberry crops of subtropical Argentina | Recorded     |
|   | 10:00 | Benjamin Cinget                              | From mitochondrial genome to strobilurin resistance: the history of group I intron evolution in cranberry fruit rot fungi                | Recorded     |
|   | 10:15 | Lily Calderwood                              | Tine weeding as a weed management tool in Maine wild blueberry   | Recorded     |
|   | 10:30 | <b>Questions and Discussion</b>              |  | <b>Live</b>  |
| <b>BREAK</b>  | 10:45 | <b>Coffee Break and Speed Networking</b>     |  |              |
| <b>Technical Session 14: Soil Fertility, Plant Physiology, and Plant Nutrition</b><br><b>Moderator: Pedro Bras Oliveira</b> |       |  |  |              |
| <b>Session Sponsor:</b><br>              | 11:00 | Pedro Bras Oliveira                          | Extending blueberry production season with different covering materials  | Recorded     |
|   | 11:15 | Sophie Parks                                 | Better management of soilless potting media for southern highbush blueberry, an Australian case study                                    | Recorded     |
|   | 11:30 | Yifan Yan                                    | Fruit transpirational water loss in blueberry is affected by stem scar size and cuticular waxes  | Recorded     |
|   | 11:45 | Amanda Davis                                 | Low-input pruning options in 'Mini Blues' for specialized processed markets reduce production costs while maintaining yield and quality  | Recorded     |
|   | 12:00 | <b>Questions and Discussion</b>              |  | <b>Live</b>  |
| <b>BREAK</b>  | 12:15 | <b>Nutrition Break and Virtual Tradeshow</b> |  |              |
| <b>Technical Session 15: Berry Composition and Postharvest</b><br><b>Moderator: Charles Forney</b>                          |       |  |  |              |
| <b>Session Sponsor:</b>   | 13:00 | Charles Forney                               | Impact of species, growing location, and cultivar and flavor chemistry of blueberry fruit  | Recorded     |
|   | 13:15 | Joana Pico Carbajo                           | HPLC/QTOF validated methodology for the determination of free and bound phenolic compounds in six commercial blueberry varieties         | Recorded     |

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| <br>Agriculture and Agri-Food Canada | <b>13:30</b> | Tej Acharya                               | Investigating ethylene regulated changes in metabolite composition during the blueberry ( <i>Vaccinium</i> spp.) fruit ripening                            | Recorded    |
|   | <b>13:45</b> | <b>Questions and Discussion</b>           |  | <b>Live</b> |
| <b>Special Session</b>  | <b>14:00</b> | Robert Martin                             | Tribute to Chad Finn   | Recorded    |
|   | <b>14:15</b> | Arnfinn Nes                               | Tribute to Rolf Nestby   | Recorded    |
| <b>Technical Session 16: Soil Fertility, Plant Physiology, Plant Nutrition</b>  |              |   |  |             |
| <b>Moderator: David Bryla</b>   |              |   |  |             |
| <b>Session Sponsor:</b><br><br>      | <b>14:30</b> | David Bryla                               | Beneficial use of biostimulants in northern highbush blueberry   | Recorded    |
|   | <b>14:45</b> | David Leon                                | Response of northern highbush blueberry to fertigation and granular applications of phosphorus fertilizer  | Recorded    |
|   | <b>15:00</b> | Pedro Rojas Barros                        | Fall nitrogen fertilization in cranberry: effects on plant growth and fruit production   | Recorded    |
|   | <b>15:15</b> | Pablo Munoz Vega                          | Relationship between fruit firmness and dry matter of three blueberry cultivars ( <i>Vaccinium corymbosum</i> L.) in different agroclimatic zones in Chile | Recorded    |
|   | <b>15:30</b> | <b>Questions and Discussion</b>           |  | <b>Live</b> |
| <b>ISHS International Vaccinium Symposium Awards and Business Meeting</b>   |              |   |  |             |
| <b>Sponsor Session:</b><br><br>    | <b>15:45</b> | ISHS Graduate Student Presentation Awards |  | Live        |
|   |              | ISHS Business Meeting                     |  | Live        |
|   |              | Report on the 12 <sup>th</sup> IVS 2021   |  | Live        |
|   |              | Preparations for the next IVS 2024        |  | Live        |
|   | <b>18:00</b> | <b>Adjournment and See You in 2024!</b>   |  |             |



# Poster Sessions

| Poster Number  | Presenting Author | Poster Title   |
|--|-------------------|--|
| <b>Technical Session 1: Breeding, Genetics, Genomics and Phenomics</b> |                   |  |
| P1   | Massimo Iorizzo   | Development of an ultradensity linkage map and QTL mapping for fruit quality traits in blueberry ( <i>Vaccinium corymbosum</i> L.)                               |
| P2   | James Polashock   | Evidence of a reciprocal heterozygous translocation in cranberry   |
| P3   | David Percival    | Wild blueberry phenotypes infected with <i>Monilinia vaccinii corymbosi</i> have varied PR gene responses under field conditions                                 |
| P4   | Ryan Cullen       | Screening of southern highbush blueberry breeding population for parthenocarpic ability and fruit quality characteristics  |
| P5   | Kuo-Tan Li        | Environmental regulations on flowering and expression of flowering genes in southern highbush blueberry  |
| P6   | Ozgecan Yalcin    | Confirming identity of blueberry cultivars with a microsatellite fingerprinting set  |
| P7   | Jeffrey Neyhart   | Identification of candidate abiotic stress tolerance loci in wild cranberry using environmental association  |
| P8   | Patrick Jones     | Lessons learned from 30 years of evaluating northern highbush blueberry genotypes ' the importance of rotating plantings and using commercial production methods |
| P9   | Jeannine Rowland  | High density genetic linkage map and identification of QTL for chilling requirement, cold hardiness, and fruit quality traits in a diploid blueberry population  |
| P10  | Marti Pottorff    | A high-throughput phenotyping method using near infrared spectroscopy to measure anthocyanin content in blueberry  |
| P11  | Joel Abbey        | Molecular responses of wild blueberry phenotypes to <i>Botrytis cinerea</i> infection  |
| P12  | Elina Coneva      | Assessment of rabbiteye blueberry ( <i>Vaccinium ashei</i> ) cultivars in Alabama  |
| P13  | Sara Knowles      | Relationships between fruit rot resistance and horticultural traits in America cranberry ( <i>Vaccinium macrocarpon</i> Ait.)                                    |

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| <b>Technical Session 2: Germplasm and Propagation</b> |                |   |
| P14   | Matthew Davis  | Optimizing lighting conditions in tissue culture for blueberry                  |
| P15   | Adrian Asanica | First outcomes of grafting highbush blueberry in Romania                        |
| P16   | D. Kovarova    | In vitro cultivation of <i>Vaccinium arctostaphylos</i> , section Hemimyrtillus |

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| <b>Technical Session 3: Pollination, Production Systems and Sustainability, and Precision Agriculture</b> |                  |  |
| P17   | Lisa Devetter    | Optmizing honey bee hive densities and using pheromones to increase blueberry pollination  |
| P18   | David Yarborough | The wild blueberry industry in North America   |
| P19   | Adrian Asanica   | Upright training system for blueberry  |
| P20   | Kuo-Tan Li       | Pollination compatibility and parthenocarpic berry set in autumn-bloom rabbiteye blueberry cultivars and breeding lines                                      |
| P21   | David Bryla      | Application of small unmanned aerial systems for spatial and temporal assessment of plant water deficits and irrigation needs in northern highbush blueberry |

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| P22 | <b>Kyoka Nagasaka</b>    | Evaluation of 'O'Neal' pollen performance on highbush blueberry fruit size and quality  |
| P23 | <b>Robert Veberic</b>    | Challenges to blueberry cultivation in protected environment  |
| P24 | <b>Rafa Tasnim</b>       | Wild blueberry fields at Downeast, Maine are warming faster than the whole region of Maine  |
| P25 | <b>Amanda Davis</b>      | Improving production efficiency in 'Legacy' blueberry through pruning, training, and harvest techniques   |
| P26 | <b>Susanna Simovaara</b> | First results from a high tunnel experiment with soilless culture of American cranberries under Nordic conditions   |
| P27 | <b>Rui Machado</b>       | Strategies to reduce supraoptimal temperatures during field and containerized production of highbush blueberry in warm climates   |
| P28 | <b>Pratima Pahadi</b>    | Ecological niches and leaf economic spectrum across genotypes of <i>Vaccinium angustifolium</i> and <i>Vaccinium myrtilloides</i> in a semi-natural agricultural system |

#### Technical Session 4: Soil Fertility, Plant Physiology and Plant Nutrition

|     |                          |   |
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| P29 | <b>Lisa DeVetter</b>     | Determining optimal nitrogen fertilizer sources and rates for organic highbush blueberry grown in high pH soils     |
| P30 | <b>Manabu Watanabe</b>   | Relationship between summer-autumn flowering and air temperature in highbush blueberry                              |
| P31 | <b>Hiroyuki Nakagawa</b> | Plant growth promotion by heat-resistant fungi isolated from blueberry fruit  |
| P32 | <b>Chris Benedict</b>    | The use of manure- derived ammonium sulfate in blueberries  |
| P33 | <b>Justine Cox</b>       | The relationship between moisture content of soilless media and floral nectar in potted southern highbush blueberry |
| P34 | <b>David Leon</b>        | Comparison of methods for applying boron fertilizers in northern highbush blueberry                                 |
| P35 | <b>Pauliina Palonen</b>  | Winter hardiness of highbush blueberry cultivar Arto as affected by high tunnel cultivation                         |
| P36 | <b>Anne Hykkerud</b>     | Effect of temperature on growth and quality of clones of <i>Vaccinium myrtillus</i>                                 |
| P37 | <b>Bernadine Strik</b>   | Revised leaf tissue nutrient sufficiency standards for northern highbush blueberry in Western Oregon                |
| P38 | <b>Maty Diop</b>         | Use of symbiotic microorganisms to improve growth, productivity and quality of cranberries grown in Quebec          |
| P39 | <b>Yong-Jiang Zhang</b>  | Impacts of warming on wild blueberry physiology, pest pressure and yield  |

#### Technical Session 5: Pest Management

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|-----|---------------------------|---|
| P40 | <b>Seanna Annis</b>       | Potential effects of insects on survival of <i>Monilinia vaccinii-corymbosi</i> pseudosclerotia   |
| P41 | <b>Simon Morvan</b>       | Effect of thermal pruning on wild lowbush blueberry ( <i>Vaccinium angustifolium</i> Ait.) and its environment  |
| P42 | <b>Joel Abbey</b>         | Potential use of biofungicides for the control of Botrytis blossom blight and Septoria leaf spot in wild blueberry fields   |
| P43 | <b>Walter Apaza-Tapia</b> | Effect of different fungicides on the control of <i>Lasiodiplodia theobromae</i> causal agent of dieback in blueberries in the Chavimochic irrigation project in Peru |



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| P44 | <b>Daniel Kirschbaum</b> | Parasitoids associated with the invasive pest <i>Drosophila suzukii</i> (Diptera: Drosophilidae) in Argentina and their potential role as biological control agents in blueberry orchards |
| P45 | <b>Austin Lloyd</b>      | Soil microbiome of lowbush blueberries under fungicidal management  |
| P46 | <b>Alberto Pedreros</b>  | Organic management of weeds in blueberry production in a volcanic soil of Chile   |
| P47 | <b>Edgar Vinson</b>      | Incidence of spotted wing drosophila infestation in blueberries in Alabama  |
| P48 | <b>Hugh Lyu</b>          | Weed survey of Nova Scotia wild blueberry ( <i>Vaccinium angustifolium</i> Ait.) fields   |

#### Technical Session 6: Berry Composition and Postharvest Attributes

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|-----|----------------------------|--|
| P49 | <b>Priyanka Trivedi</b>    | Composition, morphology and effect of environmental factors on biosynthesis of cuticular wax in bilberry   |
| P50 | <b>Kjersti Aaby</b>        | Evaluation of extraction methods for determination of phenolic compounds, organic acids and sugars in lingonberries ( <i>Vaccinium vitis-idaea</i> ) |
| P51 | <b>Adrian Berry</b>        | Pulp temperature at impact affects southern highbush blueberry fruit quality   |
| P52 | <b>Travis Esau</b>         | Performance of a soft sorter for removing overripe and damaged wild blueberries during processing  |
| P53 | <b>Giverson Mupambi</b>    | Aminoethoxyvinylglycine (AVG) does not improve fruit firmness of 'Stevens' and 'Howes' cranberry   |
| P54 | <b>Lara Giongo</b>         | Endogenous ethylene production plays an important role in blueberry fruit quality and storability  |
| P55 | <b>Pedro Bras Oliveira</b> | Effects of hot air treatment and storage temperature on 'Camarinha' ( <i>Corema album</i> (L.) D. Don) postharvest quality                           |
| P56 | <b>Taishan Li</b>          | Effects of 5-AzaC, an inhibitor of DNA methyltransferase on blueberry fruit development and ripening   |