

# 2026 NORTHEAST POTATO TECHNOLOGY FORUM

March 24-25, 2026 | Rodd Royalty Hotel, Charlottetown, PE

## AGENDA

### Tuesday, March 24<sup>th</sup>:

- 12:00 Registration
- 1:15 Welcome and introductions
- 1:30 **Oral Presentations A: Breeding & Genetics / Sustainability**  
Chair: Rodrigo dos Santos, PEI Department of Agriculture
- 1:30 **Yefang Jiang, AAFC Charlottetown**  
The Contribution of Red Clover in Potato Rotations to Nitrate Loading
- 1:45 **Judith Nyiraneza, AAFC Charlottetown**  
Integrating crop rotation strategies with optimized nitrogen fertilization lowers greenhouse gas emissions in potato systems without reducing yield
- 2:00 **Qifan Yang, CFIA Charlottetown**  
Bacterial Ring Rot of Potato: Biology, Detection, and Management
- 2:15 **Jiancheng Chuan, CFIA Charlottetown**  
From pathotype to genotype: a genome-wide framework for intraspecies classification of *Synchytrium endobioticum*
- 2:30 **David De Koeyer, AAFC Fredericton**  
Digital image analysis for potato quality assessment
- 2:45 **Bourlaye Fofana, AAFC Charlottetown**  
Unlocking the Potential of Diploid Potatoes for Commercial Production
- 3:00 **Nutrition Break and Poster Session**
- 3:30 **Oral Presentations B: Digital Agriculture/Pest Management**  
Chair: Ryan Barrett, Prince Edward Island Potato Board
- 3:30 **Seerangurayar Thirupathi, UPEI**  
Remote Monitoring and Efficient Aeration for Sustainable Potato Storage
- 3:45 **BKR Kaushik Raja, UPEI**  
An Integrated Classical Vision and Deep Learning Approach for Severity-Based Defect Grading Across Potato Processing Stages

- 4:00 **Kiana Kiani, UPEI**  
Modeling Greenhouse Gas Emissions Using the DNDC Model: Long-Term Adaptation and Mitigation Scenarios in Prince Edward Island
- 4:15 **Avneet Kaur, UPEI**  
TBD
- 4:30 **Masoud Karbasi, UPEI**  
Soil-Driven Potato Yield Forecasting in Maritime Canada: An Interpretable Hybrid Deep Learning Framework
- 4:45 **Nicolle MacDonald, AAFC Charlottetown**  
Crushing it: Evaluation of the Potato Vine Crusher For Harvest Weed Seed Control In Potatoes
- 5:00 **Hospitality Suite:** sponsored by Syngenta Canada

**Wednesday, March 25<sup>th</sup>:**

*For those staying at the Rodd Royalty, breakfast is included in your stay in the hotel dining room. For other attendees, coffee/tea/continental breakfast items will be available in the meeting area (courtyard).*

- 8:30 **Oral Presentations C: Potato Agronomy**  
Chair: Judith Nyiraneza, AAFC Charlottetown
- 8:30 **Sheng Li, AAFC Fredericton**  
Preliminary Results: Impacts of Fertigation on Potato Growth, Yield, and Quality
- 8:45 **Newton Yorinori, Cavendish Farms**  
Impact of supplemental irrigation on yield and quality of processing potatoes in PEI
- 9:00 **Monica Everett, McCain Foods**  
Will an Increase in Water Infiltration Increase Crop Value?
- 9:15 **Kyle Yurkiw, Dalhousie Faculty of Agriculture**  
Cover crop termination methods for reduced tillage potatoes
- 9:30 **Yunfei Jiang, Dalhousie Faculty of Agriculture**  
How Pea–Oilseed Brassica Intercrops Influence the Productivity of Subsequent Potato Crops
- 9:45 **Grace Robertson, UPEI/AAFC**  
Evaluation of Phosphorous Acid as a Control Strategy for Potato Pink Rot
- 10:00 **Nutrition Break and Poster Session**

- 10:30 **Oral Presentations D: Pest & Disease Management**  
Chair: Rick Peters, AAFC Charlottetown
- 10:30 **Rodrigo dos Santos, PEI Department of Agriculture**  
Integrating Commercial Fields to Enhance Aphid Surveillance in PEI
- 10:45 **Tyler MacKenzie, Agricultural Certification Services**  
Yield impacts of seed borne and primary infection with PVY: Implications for processing crops in Atlantic Canada
- 11:00 **Dahu Chen, AAFC Fredericton**  
Pathogenicity to potato tubers of Fusarium species that caused pea root rot in Atlantic Canada
- 11:15 **Claudia Goyer, AAFC Fredericton**  
Alteration of Potato Gene Expression by 2,4-D Leading to Control of Common Scab
- 11:30 **Rory MacLellan, Cavendish Farms**  
Suppression of common scab on potatoes using chemical control under PEI field conditions
- 11:45 **Ryan Barrett, Prince Edward Island Potato Board**  
Evaluation of Minuet® Biopesticide for Control of Common Scab in Processing Potato Varieties
- 12:00 **Presentation of Graduate Student Awards**
- 12:15 **Buffet Lunch**