

PAA 2025

July 27–31 • Madison, Wisconsin



Program Schedule Overview

Schedule as of July 17

*Use the app or online schedule for the most current information and full program details and abstracts.

Sunday, July 27

2:00 PM - 6:00 PM CDT	Registration Open Location:4th Floor Main Entrance
3:00 PM - 6:00 PM CDT	Poster Set-Up Location:Ballroom C
5:45 PM - 7:00 PM CDT	President's Opening & Welcome Reception Location:Community Terrace Welcome Reception Sponsored By 

Monday, July 28

7:00 AM - 5:00 PM CDT	Registration Open Location:4th Floor Main Entrance
7:00 AM - 8:30 PM CDT	AJPR Editorial Board Meeting Location:Meeting Room L
7:30 AM - 8:30 AM CDT	Crop Germplasm Committee Location:Meeting Room MN
7:30 AM - 8:30 AM CDT	Morning Coffee Location:Grand Terrace Sponsored By 
7:30 AM - 8:30 AM CDT	Women in Potato Research Location:Meeting Room MN Addie Waxman
8:30 AM - 8:45 AM CDT	A novel in-field tool to assess temperature response in potato and other crops Location:Hall of Ideas EH Jacob Blauer – Washington State University; Soumik Banerjee – Washington State University; Mark J. Pavék – Washington State University
8:30 AM - 8:45 AM CDT	Advancing molecular diagnostics and genetic analysis of potato cyst nematodes Location:Ballroom AB Rocio Silvestre Casas – University of Idaho; Bhupendra Bhatta, Graduate student – University of Idaho; Claudia Sainz – ; Carmen Villarroel – ; Javier Franco, Ph.D. – Agro Innovation-Peru; Inga A. Zasada, Ph.D. – USDA; Louise-Marie Dandurand, Ph.D. – University of Idaho
8:30 AM - 8:45 AM CDT	Effect of different complete fertilizer combinations with potassium on Mesa Russet performance Location:Hall of Ideas FI Salah M. Abdelsalam – Colorado State University; Samuel YC Essah – Colorado State University; Jessica G. Davis – Colorado State University
8:30 AM - 9:45 AM CDT	Concurrent Session: Breeding and Genetics I Location:Ballroom AB Jeffrey Endelman – University of Wisconsin-Madison
8:30 AM - 9:45 AM CDT	Concurrent Session: Extension, Production, and Management I Location:Hall of Ideas FI Bee Khim K. Chim – Oklahoma State University

8:30 AM - 9:45 AM CDT	Concurrent Session: Physiology I Location:Hall of Ideas EH Graham Ellis – PepsiCo
8:45 AM - 9:00 AM CDT	Effects of Deficit Irrigation and Nitrogen Rate on Tuber Quality, Water and Nitrogen Use Efficiency in Four Potato (<i>Solanum tuberosum</i> L.) cultivars. Location:Hall of Ideas FI Abdulssamad Barka – Abdulssamad; Samuel YC Essah – Colorado State University; Jessica G. Davis – Colorado State University
8:45 AM - 9:00 AM CDT	Potato virus Y affects <i>Alternaria solani</i> (early blight) virulence during co-infection Location:Ballroom AB Pablo Gutierrez – Universidad Nacional de Columbia Sede Medellin; Joshua Fuller – USDA-ARS; Sydney Stroschein – University of Wisconsin-Madison; Dennis A. Halterman – USDA-ARS Madison, WI; Aurelie Rakotondrafara – University ofWisconsin-Madison
8:45 AM - 9:00 AM CDT	Thiamin addition to soil increases potato tuber thiamin content and has no effect on yield Location:Hall of Ideas EH Aymeric Goyer, Associate Professor – Oregon State University; Ravi Phillips – Oregon State University; Aidan Seigel – Oregon State University; David Handy – Oregon State University; Andrea M. Schiffer – Oregon State University; Alexandra J. Weisberg – Oregon State University; Paul Bethke – USDA-ARS
9:00 AM - 9:15 AM CDT	Comparative analysis pressure-bruised, dry rot and healthy tuber tissue using biochemical microscopic studies. Location:Hall of Ideas EH Santosh Lavhale – Colorado State University; Mansor Hameed – Colorado State University; Esam Emragi – Colorado State University; Sastry S. Jayanty – Colorado State University
9:00 AM - 9:15 AM CDT	Evaluating the success of 3 R-Gene late blight resistant potatoes in the diverse agricultural landscapes of Indonesia Location:Ballroom AB Phillip S. Wharton – University of Idaho; Ineu Sulastrini – Research Organization for Agriculture and Food (ROAF-BRIN); Kusmana Kusmana – Research Organization for Agriculture and Food (ROAF-BRIN); Dinar Ambarwati – Research Organization for Agriculture and Food (ROAF-BRIN); Tri Joko Santoso – Research Organization for Agriculture and Food (ROAF-BRIN); Edy Listano – Research Organization for Life Sciences and Environment (ROLSE-BRIN); Rini Murtiningsih – Research Organization for Agriculture and Food (ROAF-BRIN); Eny Ida Riyanti – Research Organization for Life Sciences and Environment (ROLSE-BRIN); David S. Douches – Michigan State University
9:00 AM - 9:15 AM CDT	Intercropping and precision fertilizer application as tools to reduce nitrogen leaching in potato systems Location:Hall of Ideas FI Emma Schmidt – Univeristy of Wisconsin- Madison; Jed Colquhoun – University of Wisconsin- Madison; Daniel Heider – University of Wisconsin- Madison
9:15 AM - 9:30 AM CDT	Characterization of Neuropeptides in the Colorado potato beetle using RNAi Location:Hall of Ideas EH Sophie Verkoulen – University of Wisconsin-Madison; Emma Terris – University of Wisconsin-Madison; Sean D. Schoville – University of Wisconsin-Madison; Russell Groves – University of Wisconsin-Madison
9:15 AM - 9:30 AM CDT	Understanding the nature of potato virus Y (PVY) extreme resistance in potato variety Bistra Location:Ballroom AB John Onditi – USDA ARS, Aberdeen ID; Jonathan Whitworth – USDA ARS, Aberdeen ID
9:15 AM - 9:30 AM CDT	Wound Healing Interval on Potato Field Performance with Associated Comparative Analysis of Biochemical Response Location:Hall of Ideas FI Daphne Crum – Washington State University; Jacob Blauer – Washington State University; Mohan Kumar – Washington State University
9:30 AM - 9:45 AM CDT	Effect of Steroidal Glycoalkaloids on induced oxidative stress on the Potato Cyst Nematode <i>Globodera pallida</i> Location:Hall of Ideas EH Chandni Shah – University of Idaho; Louise-Marie Dandurand, Ph.D. – University of Idaho
9:30 AM - 9:45 AM CDT	Marker-based selection for PVY resistance in diploid potato breeding Location:Ballroom AB Jeffrey Endelman – University of Wisconsin-Madison; Maria Caraza-Harter – University of Wisconsin - Madison; Grace Christensen – University of Wisconsin-Madison
9:30 AM - 9:45 AM CDT	Optimizing nitrogen rate and application schedule to improve French fry color in Teton Russet potatoes Location:Hall of Ideas FI Rodrick Z. Mwatuwa – University of Idaho; Rhett Spear – University of Idaho

10:15 AM - 10:30 AM CDT	Assessing insecticide behavioral effects in aphids for virus transmission prevention Location:Hall of Ideas EH Gina M. Angelella – USDA-ARS; Joanna Galindo-Schuller – USDA-ARS
10:15 AM - 10:30 AM CDT	Potato cv. ‘Granola’ Has Moderate Tolerance for Bacterial Wilt Disease Location:Ballroom AB Gashaw B. Alemu – Department of Plant Pathology, University of Wisconsin-Madison; Jake A. Criscuolo – Department of Plant Pathology, University of Wisconsin-Madison; Charlie Higgins – Ethiopian Sustainable Food Project; Caitilyn Allen – Department of Plant Pathology, University of Wisconsin
10:15 AM - 10:30 AM CDT	Potato minitubers exposed to disease will negatively affect productivity Location:Hall of Ideas FI Janina Petrick – CETS LLC
10:15 AM - 11:15 AM CDT	Concurrent Session: Breeding and Genetics II Location:Ballroom AB Jianjun Hao – University of Maine
10:15 AM - 11:15 AM CDT	Concurrent Session: Extension, Production, and Management II Location:Hall of Ideas FI Darin Gibson – Gaia Consulting Ltd
10:15 AM - 11:15 AM CDT	Concurrent Session: Plant Protection I Location:Hall of Ideas EH Kasia M. Duellman, PhD – University of Idaho - Idaho Falls Research & Extension Center
10:30 AM - 10:45 AM CDT	Development of a Duplex IC-RT-qPCR for Large-Scale Detection of Potato Mop-Top Virus in Dormant Potato Tubers Location:Hall of Ideas EH Mohamad Chikh-Ali – Colorado State University; Jeremy Daniel – Colorado State University; Hafiz Muhammad Usman Aslam – Plant Pathology, San Luis Valley Research Center, Colorado State University, USA.; Bright Agindotan – USDA APHIS PPQ; Amy Charkowski – Colorado State University
10:30 AM - 10:45 AM CDT	Potato dihaploids reveal tetraploid evolutionary patterns of recombination, mutation, and selection Location:Ballroom AB Sapphire Coronejo – University of Minnesota; Laura M. Shannon – University of Minnesota
10:30 AM - 10:45 AM CDT	Potato Nematodes: A Global Perspective with Special Reference to Soil Health and Nematicides Location:Hall of Ideas FI George W. Bird – Michigan State University
10:45 AM - 11:00 AM CDT	A benchmarking approach for soil health in potatoes Location:Hall of Ideas FI Katherine East – Soil Health Institute; Jerry Hsiao – Soil Health Institute; Mara Cloutier – Soil Health Institute; Dan Liptzin – Soil Health Institute; Cristine Morgan – Soil Health Institute; Jeffrey Steiner – Oregon State University
10:45 AM - 11:00 AM CDT	Impacts of ploidy changes on gene expression in potatoes Location:Ballroom AB Timileyin S. Sunmonu – University Of Minnesota; Harpreet Kaur – University Of Minnesota; Jessi Huege – University Of Minnesota; Luis Arge – University Of Minnesota; Peter Morrell – University Of Minnesota; Xiaoxi Meng – St. Jude Children’s Research Hospital; Laura M. Shannon – University of Minnesota
11:00 AM - 11:15 AM CDT	Enhancing efficiency in developing potato cultivars with extreme resistance to PVY using an alternative selection strategy Location:Ballroom AB MichaelAnne L. Roach, N/A – Department of Horticulture Sciences; Mohamed M. Abdelhamid, N/A – Department of Horticulture Sciences; Jeewan Pandey – Department of Horticultural Sciences, Texas A&M University; Stephany E. Toinga-Villafuerte – Department of Horticulture Sciences; Joshua R. Jonhson – Department of Horticulture Sciences; M. Isabel Vales – Department of Horticultural Sciences, Texas A&M University
11:00 AM - 11:15 AM CDT	Enhancing Potato Disease Management using the Idaho Spore Trapping Network Location:Hall of Ideas FI Josh Rosnow – University of Idaho; Ben Wood – University of Idaho; Madeline Kinnear – University of Idaho; Avalon Jones – University of Idaho; Mack Murdock – University of Idaho; Christian Cumagun – University of Idaho; Silas Shumate – University of Idaho; James Woodhall – University of Idaho; Kasia M. Duellman, PhD – University of Idaho - Idaho Falls Research & Extension Center; Phillip S. Wharton – University of Idaho
11:00 AM - 11:15 AM CDT	Resistance to fludioxonil and inconsistent fitness penalties in a predominant potato dry rot pathogen, Fusarium sambucinum Location:Hall of Ideas EH Kasia M. Duellman, PhD – University of Idaho - Idaho Falls Research & Extension Center; Melinda Lent, MS – University of Idaho - Idaho Falls Research & Extension Center; Lindsey McKinney, MS – University of Idaho - Idaho Falls Research & Extension Center; Hailie Oldham – Idaho State University; Jewelia Hawker – University of Idaho

11:15 AM - 11:45 AM CDT	Poster Viewing
11:45 AM - 12:45 PM CDT	Site Selection Committee Location:Hall of Fame Room
11:45 AM - 1:00 PM CDT	Lunch Location:Grand Terrace Lunch Sponsored By 
1:00 PM - 1:10 PM CDT	Introduction to NAPSO Location:Ballroom AB
1:00 PM - 4:40 PM CDT	Storage Symposium Location:Ballroom AB Sponsored By   
1:10 PM - 2:10 PM CDT	The European Experience in Storing Potatoes Location:Ballroom AB Kürt Demeulemeester – Inagro
2:10 PM - 2:50 PM CDT	Navigating the Disease Landscape of Russet Potato Variety Susceptibility Location:Ballroom AB Jeffrey S. Miller – Miller Research LLC; Nora Olsen – University of Idaho
3:20 PM - 3:50 PM CDT	Storage Structures: Potato Storage Design and Engineering Location:Ballroom AB Mark Rice
3:50 PM - 4:40 PM CDT	Storage Panel Location:Ballroom AB Gustavo H.A. Teixeira – University of Idaho; Dale Nelson; AJ Bussan; Morgan Smolarek
6:00 PM - 9:00 PM CDT	Triva Pub Crawl
Tuesday, July 29 ▼	
7:00 AM - 5:00 PM CDT	Registration Open Location:4th Floor Main Entrance
7:30 AM - 9:00 AM CDT	Morning Coffee Location:Grand Terrace Sponsored By 
8:00 AM - 9:00 AM CDT	Breeding & Genetics Section Meeting Location:Meeting Room MN
8:00 AM - 9:00 AM CDT	Extension, Production & Management Section Meeting Location:Hall G
8:00 AM - 9:00 AM CDT	Plant Protection Section Meeting Location:Hall J
9:00 AM - 9:15 AM CDT	Optimizing nitrogen rate and application timing for yield of Teton Russet and Russet Norkotah-278 in Idaho. Location:Hall of Ideas FI Rodrick Z. Mwatuwa – University of Idaho; Rhett Spear – University of Idaho
9:00 AM - 9:15 AM CDT	Overview of the Bioengineering Research at the Michigan State University Potato Breeding and Genetics Program Location:Ballroom AB David S. Douches – Michigan State University; Daniel Zarka – Michigan State University; Kelly Zarka – Michigan State University; Joseph Coombs – Michigan State University

9:00 AM - 9:15 AM CDT	Unraveling the Diversity of Fusarium Species Responsible for Potato Dry Rot in the San Luis Valley, Colorado Location:Hall of Ideas EH Hafiz Muhammad Usman Aslam – Plant Pathology, San Luis Valley Research Center, Colorado State University, USA.; Jeremy Daniel – Colorado State University; Mohamad Chikh-Ali – Colorado State University
9:00 AM - 10:00 AM CDT	Concurrent Session: Breeding and Genetics III Location:Ballroom AB Fahrettin Goktepe – Europlant America
9:00 AM - 10:00 AM CDT	Concurrent Session: Extension, Production, and Management III Location:Hall of Ideas FI Yi Wang – Department of Plant and Agroecosystem Sciences, UW-Madison
9:00 AM - 10:00 AM CDT	Concurrent Session: Plant Protection II Location:Hall of Ideas EH Emma Terris – University of Wisconsin-Madison
9:15 AM - 9:30 AM CDT	Evaluating Potassium Fertilization Strategies for Mitigating Blackspot Bruising in Russet Burbank Potatoes Under Simulated Harvest Conditions Location:Hall of Ideas FI Refilwe H. Sehlako – North Dakota State University; Andrew P. Robinson – North Dakota State University
9:15 AM - 9:30 AM CDT	Evaluating the effects of cover crops on plant-parasitic nematode suppression and free-living nematodes in potato production. Location:Hall of Ideas EH Sabina Budhathoki – University of Florida; Zane Grabau – University of Florida
9:15 AM - 9:30 AM CDT	Germplasm collection of cultivars of the Peruvian Amazon region at Universidad Toribio Rodriguez de Mendoza (UNTRM) for conservation, research and use Location:Ballroom AB Manuel Oliva-Cruz – Universidad Toribio Rodriguez de Mendoza Peru; Jherson Rojas-Vargas – Universidad Toribio Rodriguez de Mendoza Peru; Lily del Pilar Juarez-Contreras – Universidad Toribio Rodriguez de Mendoza Peru; Elen Francisco Guevara-Fernandez – Universidad Toribio Rodriguez de Mendoza Peru; Ángel Fernando Huaman-Pilco – Universidad Toribio Rodriguez de Mendoza Peru; John Bamberg – US Potato Genebank; Alfonso del Rio – US Potato Genebank/University of Wisconsin
9:30 AM - 9:45 AM CDT	A comparison of table stock seed potato acreage and cultivar performance Location:Ballroom AB Max Feldman – USDA-ARS; Collins Wakholi – USDA-ARS; Roy Navarre – USDA-ARS; Mark J. Pavek – Washington State University
9:30 AM - 9:45 AM CDT	Liquid Phosphorus Fertilizer Placement Strategies to Improve Phosphorus Availability and Utilization in Potato Production. Location:Hall of Ideas FI Samuel YC Essah – Colorado State University
9:30 AM - 9:45 AM CDT	Wound healing non-destructive assessment using periderm dry matter and near-infrared hyperspectral imaging (NIR-HSI) Location:Hall of Ideas EH Hailey Hampton – University of Idaho; Samuel Paytosh – University of Idaho; Jessica Smith – University of Idaho; Pankaj Kumar Yadav – University of Idaho; Tie Liu – University of Florida, Horticultural Sciences Department; Marena Manley – Stellenbosch University, Department of Food Science; Paul Williams – Stellenbosch University, Department of Food Science; Gustavo H.A. Teixeira – University of Idaho
9:45 AM - 10:00 AM CDT	OR12133-10 and AOR07781-5, two promising breeding clones from the Northwest Potato Variety Development Location:Ballroom AB Daniel I. Thompson – Oregon State University; Vidyasagar Sathuvalli – Oregon State University
9:45 AM - 10:00 AM CDT	Potassium management effects on potato yield, tuber quality, and chloride cycling Location:Hall of Ideas FI Carl J. Rosen – University of Minneosta; James E. Crants – University of Minneosta; Matthew McNearney – University of Minnesota Twin Cities; Seonghyun Seo – University of Minnesota
9:45 AM - 10:00 AM CDT	Transgenerational effects of a dsRNA-based insecticide on the Colorado potato beetle Location:Hall of Ideas EH Morgan Weissner – University of Wisconsin-Madison; Russell Groves – University of Wisconsin-Madison
10:30 AM - 10:45 AM CDT	Agronomic performance of russet-type potato varieties under deficit irrigation Location:Hall of Ideas FI Andrew Walker – University of Idaho; Rhett Spear – University of Idaho
10:30 AM - 10:45 AM CDT	Optimum Mate Allocation in the UW-Madison Diploid Potato Breeding Program

	Location:Ballroom AB Maria Caraza-Harter – University of Wisconsin - Madison; Jeffrey Endelman – University of Wisconsin-Madison
10:30 AM - 10:45 AM CDT	Re-exposure to 1,4-dimethylnaphthalene enhances potato tuber response Location:Hall of Ideas EH Emily Dobry – Pennsylvania State University; Michael Campbell – Penn State Erie, The Behrend College
10:30 AM - 11:30 AM CDT	Concurrent Session: Breeding and Genetics IV Location:Ballroom AB Laura M. Shannon – University of Minnesota
10:30 AM - 11:30 AM CDT	Concurrent Session: Extension, Production, and Management IV Location:Hall of Ideas FI Shan Shan – University of Wisconsin-Madison
10:30 AM - 11:30 AM CDT	Concurrent Session: Physiology II Location:Hall of Ideas EH Gustavo H.A. Teixeira – University of Idaho
10:45 AM - 11:00 AM CDT	Genetic structure and diversity of native potatoes from the Andean region of Cajamarca by DArTseq markers Location:Ballroom AB Pedro Injante – Universidad Nacional de Cajamarca; Esther Suca – Universidad Nacional Toribio Rodríguez de Mendoza de Amazonas; Marly Guelac – Universidad Nacional Toribio Rodríguez de Mendoza de Amazonas; Juan Seminario-Cunya – Universidad Nacional de Cajamarca; Juan Chavez – Universidad Nacional de Cajamarca; Carlos I. Arbizu – Universidad Nacional Toribio Rodríguez de Mendoza de Amazonas
10:45 AM - 11:00 AM CDT	Manipulating Chieftain tuber size profile with gibberellic acid seed treatment and vine kill date adjustment Location:Hall of Ideas FI Luke M. Switzer – University of Idaho; Michael Thornton – University of Idaho; Nora Olsen – University of Idaho; Rhett Spear – University of Idaho
10:45 AM - 11:00 AM CDT	Polyphenol oxidase activity and levels of total phenolics positively correlate with enzymatic browning after storage of russet-type potato cultivars Location:Hall of Ideas EH Pankaj Kumar Yadav – University of Idaho; Hailey Hampton – University of Idaho; Samuel Paytosh – University of Idaho; Jessica Smith – University of Idaho; Aymeric Goyer, Associate Professor – Oregon State University; Munevver Dogramaci – United States Department of Agriculture (USDA); Nora Olsen – University of Idaho; Gustavo H.A. Teixeira – University of Idaho
11:00 AM - 11:15 AM CDT	Development of potato early die and its management with fumigants Location:Hall of Ideas FI Marcio Zaccaron – NDSU; Daniel Gill – NDSU; Arslan Sarwar – NDSU; Julie S. Pasche, n/a – North Dakota State University
11:00 AM - 11:15 AM CDT	Impact of Elevated Temperature on Potato (<i>Solanum tuberosum</i> L.) Tuberization: Insights from Physiological and Transcriptomic Analysis Location:Hall of Ideas EH Guillian Hernandez – Virginia Tech; Courtney Leisner – Virginia Tech; Abigail Guillemette – Auburn University
11:00 AM - 11:15 AM CDT	Using genomic factor analytic models and environmental predictors for potato variety recommendation in different environments Location:Ballroom AB Marcio F. R. Resende, PhD – University of Florida; Marco Peixoto – University of Florida; Liza Van der Laan – University of Florida; Rakshya Dhakal – University of Florida; Leo Hoffmann – University of Florida; Lincoln Zotarelli – University of Florida; Lenin Barros – Federal University of Lavras; Tiago Marcal – Federal University of Lavras
11:15 AM - 11:30 AM CDT	Insecticide Cross-Resistance in the Colorado potato beetle on Wisconsin Organic Farms Location:Hall of Ideas EH Emma Terris – University of Wisconsin-Madison; Russell Groves – University of Wisconsin-Madison; Sean D. Schoville – University of Wisconsin-Madison
11:15 AM - 11:30 AM CDT	Integrating Genomic Selection into Potato Breeding: A Comparison of Genotyping Platforms and Cross-Environmental Predictions Location:Ballroom AB Rakshya Dhakal – University of Florida; Marco Peixoto – University of Florida; Leo Hoffmann – University of Florida; Bonny Olaka, PhD – North Carolina State University; Mark Clough – North Carolina State University; Gabriel Gesteira – North Carolina State University; Lincoln Zotarelli – University of Florida; Jeffrey Endelman – University of Wisconsin-Madison; Craig Yencho, PhD – North Carolina State University; Marcio F. R. Resende, PhD – University of Florida
11:15 AM - 11:30 AM CDT	Potato yield is closely linked to the soil microbiome across varying growing regions in the Upper Midwest

	Location:Hall of Ideas FI Shan Shan – University of Wisconsin-Madison; Richard Lankau – University of Wisconsin-Madison; Michael Millican – University of Minnesota; Isabelle George – University of Wisconsin-Madison; Linda L. Kinkel – University of Minnesota
11:30 AM - 1:00 PM CDT	Lunch Location:Grand Terrace Sponsored By 
11:45 AM - 12:45 PM CDT	Physiology Section Meeting Location:Hall J
11:45 AM - 12:45 PM CDT	Utilization & Marketing Section Meeting Location:Hall G
1:00 PM - 1:15 PM CDT	Caribou Russet response to varying degrees of seed cutting using a range of in-row seed spacings Location:Hall of Ideas FI Luke Thurgood – McCain Foods USA
1:00 PM - 1:15 PM CDT	Impacts of Repeated Metam Sodium Fumigation and Mustard Rotation on Verticillium Wilt and Soil Microbiomes in Potato Systems Location:Hall of Ideas EH Jianjun Hao – University of Maine; Shayli Morris – University of Maine; Bee Khim K. Chim – Oklahoma State University
1:00 PM - 1:15 PM CDT	Introgression and Pyramiding of Novel Resistance Genes for Diploid Potato Breeding Location:Ballroom AB Joseph Ulasi – Michigan State University; Jessica Norling – Michigan State University; Jaime Willbur – Michigan State University; David S. Douches – Michigan State University
1:00 PM - 2:15 PM CDT	Concurrent Session: Breeding and Genetics V Location:Ballroom AB David S. Douches – Michigan State University
1:00 PM - 2:15 PM CDT	Concurrent Session: Extension, Production, and Management V Location:Hall of Ideas FI Nora Olsen – University of Idaho
1:00 PM - 2:15 PM CDT	Concurrent Session: Plant Protection III Location:Hall of Ideas EH Kenneth Frost – Oregon State University
1:15 PM - 1:30 PM CDT	Central Minnesota survey reveals widespread race 3 Verticillium dahliae with limited key trait diversity in potato fields Location:Hall of Ideas EH Kirsten Lerohl – University of Minnesota- Twin Cities; Ashish Ranjan, Ph.D. – University of Minnesota
1:15 PM - 1:30 PM CDT	Exploration of wild potato germplasm for novel resistance against cyst nematodes and late blight of potato Location:Ballroom AB Babatunde A. Kareem – Plant Pathology and Plant-Microbe Biology Section, School of Integrative Plant Science, Cornell University; Huijun Yang – Robert W. Holley Center for Agriculture and Health, US Department of Agriculture, Agricultural Research Service; Shiyen Chen – Plant Pathology and Plant-Microbe Biology Section, School of Integrative Plant Science, Cornell University; Jason Ingram – Robert W. Holley Center for Agriculture and Health, US Department of Agriculture, Agricultural Research Service; Zachariah Hansen – Robert W. Holley Center for Agriculture and Health, US Department of Agriculture, Agricultural Research Service; Xiaohong Wang – Robert W. Holley Center for Agriculture and Health, US Department of Agriculture, Agricultural Research Service
1:15 PM - 1:30 PM CDT	Using AI-driven technologies to improve sustainability of potato production Location:Hall of Ideas FI Yi Wang – Department of Plant and Agroecosystem Sciences, UW-Madison
1:30 PM - 1:45 PM CDT	Effect of rotation length and fumigant type on soil microbial communities and potato yield Location:Hall of Ideas EH Michelle E. Odoi, PhD – Oregon State University; Pear Intasin – Oregon State University; Victoria Skillman – Oregon State University; Kenneth Frost – Oregon State University
1:30 PM - 1:45 PM CDT	Evaluating the Performance of Controlled-Release Fertilizers for Potato Production in the Columbia Basin Location:Hall of Ideas FI

	Haoyang Lyu – OSU Hermiston Agriculture Research and Extension Center; Ruijun Qin – OSU Hermiston Agriculture Research and Extension Center
1:30 PM - 1:45 PM CDT	flexFitR and exploreHTP: Open-source software to enable nonlinear modeling of plant growth from remotely-sensed imagery Location:Ballroom AB Johan Steven Aparicio Arce – University of Wisconsin Madison; Jeffrey Endelman – University of Wisconsin-Madison
1:45 PM - 2:00 PM CDT	Applied economics and regression analyses streamline interpretation of agricultural research results Location:Hall of Ideas FI Mark J. Pavek – Washington State University; Zachary J. Holden – Washington State University
1:45 PM - 2:00 PM CDT	In vitro stimulation of germination of microsclerotia of Verticillium dahliae, causative pathogen of Verticillium wilt (early dying) disease of potato Location:Hall of Ideas EH Uttpal Anand – University of Tasmania, Australia; Jonathan Amponsah – University of Tasmania, Australia; Audrey E. Leo – Simplot Australia Pty. Ltd.; Robert Tegg – University of Tasmania, Australia; Calum Wilson – University of Tasmania, Australia
1:45 PM - 2:00 PM CDT	Quantifying and Utilizing Solanum pinnatisectum Resistance to Colorado Potato Beetle Location:Ballroom AB Tomas Lopes – Michigan State University; David S. Douches – Michigan State University
2:00 PM - 2:15 PM CDT	Evaluating genomic prediction accuracy for tuber yield and quality traits in tetraploid potato across single and multiple year predictions Location:Ballroom AB Amrit Poudel – University of Maine; Ek Han Tan – University of Maine; Paul Ocaya – University of Maine; Gregory A. Porter – University of Maine; Mario Henrique Murad Leite Andrade – University of Maine
2:00 PM - 2:15 PM CDT	Investigating the mechanisms of interaction among soil-borne pathogens of potato and their impact on various host responses Location:Hall of Ideas EH Fazal ur Rehman – University of Tasmania, Australia; Jonathan Amponsah – University of Tasmania, Australia; Robert Tegg – University of Tasmania, Australia; Calum Wilson – University of Tasmania, Australia
2:00 PM - 2:15 PM CDT	Methods to Reduce Sprouting and Emergence of Fresh Potatoes Destined for Export Markets Location:Hall of Ideas FI Rabecka Hendricks – University of Idaho; Nora Olsen – University of Idaho; Gustavo H.A. Teixeira – University of Idaho
2:15 PM - 3:15 PM CDT	Ice Cream Social Location:Ballroom C Sponsored By 
2:15 PM - 4:00 PM CDT	Poster Session Location:Ballroom C
5:30 PM - 10:00 PM CDT	PAA Dinner & Auction Location:Madison Children's Museum
Wednesday, July 30 ▼	
6:30 AM - 7:30 AM CDT	Fun Run/Walk
7:30 AM - 9:00 AM CDT	Morning Coffee Location:Grand Terrace
8:00 AM - 9:00 AM CDT	Potato Breeders Forum Location:Hall G
8:00 AM - 12:30 PM CDT	Registration Open Location:4th Floor Main Entrance
8:30 AM - 9:00 AM CDT	2026 Local Host Committee (LHC) Location:Dane Room
9:00 AM - 9:15 AM CDT	Fumigation effects on herbicide persistence in the soil Location:Hall of Ideas FI Annette Drayna – North Dakota State University; Andrew P. Robinson – North Dakota State University
9:00 AM - 9:15 AM CDT	Response of russet-skinned potato cultivars to increasing soil populations of Verticillium dahliae Location:Hall of Ideas EH Marcio Zaccaron – NDSU; Fereshteh Shahoveisi – University of Maryland; Neil Gudmestad – NDSU; Julie S. Pasche,

	n/a – North Dakota State University
9:00 AM - 9:15 AM CDT	The Rise of Ry Markers in Potato Breeding Programs Location:Ballroom AB Jonathan Whitworth – USDA ARS, Aberdeen ID; Noelle Anglin – USDA-ARS; David S. Douches – Michigan State University; Vidyasagar Sathuvalli – Oregon State University; Asunta L. Thompson – North Dakota State University; Caroline P. Gray – Colorado State University-SLVRC; Walter De Jong – Cornell University; Mario Henrique Murad Leite Andrade – University of Maine; Isabel Vales – Texas A&M; John Onditi – USDA ARS, Aberdeen ID
9:00 AM - 10:00 AM CDT	Concurrent Session: Breeding and Genetics VI Location:Ballroom AB Asunta L. Thompson – North Dakota State University
9:00 AM - 10:00 AM CDT	Concurrent Session: Extension, Production, and Management VI Location:Hall of Ideas FI Lincoln Zotarelli – University of Florida
9:00 AM - 10:00 AM CDT	Concurrent Session: Plant Protection IV Location:Hall of Ideas EH Marcio Zaccaron – NDSU With Sponsorship Support From 
9:15 AM - 9:30 AM CDT	Breeding for virus disease resistance in Colorado State University's germplasm Location:Ballroom AB Elizabeth Messier – Colorado State University-SLVRC; Caroline P. Gray – Colorado State University-SLVRC; Mohamad Chikh-Ali – Colorado State University
9:15 AM - 9:30 AM CDT	Economics of early blight/brown spot management of potato in the semi-arid environment of southern Idaho Location:Hall of Ideas EH Jeffrey S. Miller – Miller Research LLC; Trent Taysom – Miller Research LLC; Terry Miller – Miller Research LLC; Cheryn Suarez – Miller Research LLC; Scott Anderson – Miller Research LLC
9:15 AM - 9:30 AM CDT	Effects of Pollen Energy Biostimulant on the Growth and Production of Potatoes Location:Hall of Ideas FI Haoyang Lyu – OSU Hermiston Agriculture Research and Extension Center; Ruijun Qin – OSU Hermiston Agriculture Research and Extension Center
9:30 AM - 9:45 AM CDT	Optimizing Seed Spacing for Enhanced Tuber Yield in Lakeview and Caribou Russet Location:Hall of Ideas FI Lino I. Macamo – North Dakota State University; Andrew P. Robinson – North Dakota State University
9:30 AM - 9:45 AM CDT	Variation in rates and capacities for heat acclimation and de-acclimation among Atlantic and Russet Burbank cultivars Location:Ballroom AB Jiwan P. Palta – University of Wisconsin- Madison; Justin Schabow – University of Florida; John Bamberg – US Potato Genebank; Alfonso del Rio – US Potato Genebank/University of Wisconsin
9:30 AM - 9:45 AM CDT	Who's eating potato pests? Location:Hall of Ideas EH Bonnie J. Ohler – Washington State University Extension; Cesar Reyes Corral – Washington State University; W. Rodney Cooper – USDA-ARS Temperate Tree Fruit and Vegetable Research Unit; Timothy Waters – Washington State University Extension; David Horton – USDA-ARS Temperate Tree Fruit and Vegetable Research Unit
9:45 AM - 10:00 AM CDT	Abundance and insecticide resistance patterns of Colorado potato beetles in Wisconsin Location:Hall of Ideas EH Sean D. Schoville – University of Wisconsin-Madison; Nursultan Azhimuratov – University of Wisconsin-Madison; Francisco Mandujano Reyes – University of Wisconsin-Madison; Jun Zhu – University of Wisconsin-Madison; Russell Groves – University of Wisconsin-Madison
9:45 AM - 10:00 AM CDT	Characterizing resistance to powdery scab Location:Ballroom AB Asunta L. Thompson – North Dakota State University; Julie S. Pasche, n/a – North Dakota State University; Laura M. Shannon – University of Minnesota; Sapphire Coronejo – University of Minnesota
9:45 AM - 10:00 AM CDT	Improving potato irrigation efficiency with mobile drip irrigation, newer cultivars, and changes in cultural management practices. Location:Hall of Ideas FI Jacob Meeuwsen – Washington State University; Zachary J. Holden – Washington State University; Mark J. Pavsek – Washington State University

10:30 AM - 10:45 AM CDT	Diploid Potato Breeding at USDA-ARS in Maine Location:Ballroom AB Paul J. Collins – USDA-ARS; Ek Han Tan – University of Maine; Noah Williams – University of Maine
10:30 AM - 10:45 AM CDT	Impacts of root-knot nematodes (<i>Meloidogyne chitwoodi</i> and <i>M. hapla</i>) on potato yield and quality in the Pacific Northwest Location:Hall of Ideas FI Gabrielle Studebaker – Oregon State University; Inga A. Zasada, Ph.D. – USDA; Daniel I. Thompson – Oregon State University; Vidyasagar Sathuavlli – Oregon State University
10:30 AM - 10:45 AM CDT	Status of potato cyst nematodes (PCN) management in Africa Location:Hall of Ideas EH John Onditi – USDA ARS, Aberdeen ID; Jonathan Whitworth – USDA ARS, Aberdeen ID
10:30 AM - 11:30 AM CDT	Concurrent Session: Breeding and Genetics VII Location:Ballroom AB Mercedes Ames – University of Wisconsin Madison
10:30 AM - 11:30 AM CDT	Concurrent Session: Extension, Production, and Management VII Location:Hall of Ideas FI Shae Taylor – JR Simplot
10:30 AM - 11:30 AM CDT	Concurrent Session: Plant Protection V Location:Hall of Ideas EH John Onditi – ORISE
10:45 AM - 11:00 AM CDT	Exploring Oxford Nanopore technology to detect SDHI fungicide resistance in <i>Alternaria solani</i> populations through amplicon sequencing Location:Hall of Ideas EH Sunil Shrestha – North Dakota State University; Jatinder Singh, n/a – North Dakota State University; Upinder S. Gill, PhD – North Dakota State University; Julie S. Pasche, n/a – North Dakota State University
10:45 AM - 11:00 AM CDT	Physiological Aging Storage Treatments to Improve Tuber Set & Size Distribution in Russet Potatoes Location:Hall of Ideas FI Olufunke Ogundiya – Washington State University; Jacob Blauer – Washington State University
10:45 AM - 11:00 AM CDT	Selection of Native Potato Genotypes under Variable Highland Conditions in Northern Peru Location:Ballroom AB Marly Guelac – Universidad Nacional Toribio Rodríguez de Mendoza de Amazonas; Mariela Lazaro – Universidad Nacional Agraria la Molina; Rodomiro Ortiz – Swedish University of Agricultural Sciences; Carlos I. Arbizu – Universidad Nacional Toribio Rodríguez de Mendoza de Amazonas
11:00 AM - 11:15 AM CDT	Decoding pathogenic and beneficial <i>Streptomyces</i>: genetic characterization, pathogenicity assessment, and biocontrol opportunities Location:Hall of Ideas EH Ashish Ranjan, Ph.D. – University of Minnesota; Kriti Tyagi, Ph.D. – University of Minnesota - St Paul, MN; Sonal Srivastava, Master – University of Minnesota; Grace Petzold, B.Sc. – University of Minnesota - St Paul, MN
11:00 AM - 11:15 AM CDT	In search of host/pathogen specificity in the late blight/potato interaction (<i>Phytophthora infestans</i>/<i>Solanum</i> sp) in the Toluca Valley, México. Location:Ballroom AB Héctor Lozoya – Universidad autónoma Chapingo; Alfredo Lopez, N/A – Universidad autónoma Chapingo
11:00 AM - 11:15 AM CDT	The effect of potato virus Y inoculation timing, virus strain, and cultivar on the development of mature plant resistance in potato Location:Hall of Ideas FI Claire M. Schloemer – University of Wisconsin- Madison; Scott Chapman – University of Wisconsin-Madison; Ben Bradford – University of Wisconsin-Madison; Russell Groves – University of Wisconsin-Madison
11:15 AM - 11:30 AM CDT	Advancing early disease detection with imaging spectroscopy: potato early blight as a case study Location:Hall of Ideas FI Olee Hoi Ying Lam – University of Wisconsin-Madison; Amanda J. Gevens – University of Wisconsin-Madison; Stephen Jordan – University of Wisconsin-Madison; Brendan Heberlein – University of Wisconsin-Madison; W. Beckett Hills – University of Wisconsin-Madison; Philip A. Townsend – University of Wisconsin-Madison
11:15 AM - 11:30 AM CDT	Determining the Optimal Nitrogen Rate for New Chipping Potato Varieties in the Columbia Basin Location:Ballroom AB Ruijun Qin – OSU Hermiston Agriculture Research and Extension Center; Haoyang Lyu – OSU Hermiston Agriculture Research and Extension Center; Vidyasagar Sathuavlli – Oregon State University; Brian Charlton – Klamath Basin Research & Extension Center/Oregon State University
11:15 AM - 11:30 AM CDT	PAPAS: Actionable Science Against Nematodes Location:Hall of Ideas EH Cynthia Gleason, Ph.D. – Washington State University - Pullman, WA; Louise-Marie Dandurand, Ph.D. – University

	of Idaho; Inga A. Zasada, Ph.D. – USDA; Joseph Kuhl, Ph.D. – University of Idaho; Walter De Jong – Cornell University; Philip Watson – University of Idaho
11:30 AM - 1:00 PM CDT	Lunch on Your Own
1:00 PM - 3:00 PM CDT	Annual Member Business Meeting and Bylaw Vote Location:Ballroom AB
3:00 PM - 5:00 PM CDT	Potato Research Advisory Committee (PRAC) Location:Hall of Ideas EH
6:30 PM - 9:00 PM CDT	PAA Awards Banquet Location:Ballroom AB