

2023 New Mexico Chile Conference

Hosted by NMSU Extension Plant Sciences and the Chile Pepper Institute

Chair – *Stephanie Walker*

Co-Chair – *Danise Coon*

Morning Moderator – *Jeff Anderson*

AFTERNOON BREAKOUT SESSIONS

MORNING SESSION

- 7:30 am Registration – *Liza Lopez*
- 8:00 am Welcome – *Leslie Edgar*
- 8:15 am New Mexico Chile Association Update - *Travis Day*
- 8:30 am The Future (?) of Pest and Pathogen Control - *Steve Hanson*
- 9:15 am Savor the Flavor: Consumer Preferences and Variety Seeking Associated with Chile Consumption - *Chaddy Robinson*
- 9:45 am Ensuring the Safety of New Mexico Chile Using Molecular Detection Methods for Pathogenic Bacteria - *Willis Fedio*
- 10:15 am Break
- 10:45 am The Healthy Workplace Act, Staying in Compliance – *Martha Murillo*
- 11:15 am Best Management Practices for Organic Chile - *Matt Romero*
- 11:45 pm Lunch Break

Afternoon Moderator Session 1 -
Emily Burton

Afternoon Moderator Session 2 -
Rachel Zweig

Technology Updates

Pests and Disease Updates

1:00 New Mexico Chile Industry: Economic Challenges and Opportunities
Ram Acharya

1:00 Why is Phytophthora Still a Challenge After 100 Years of Research?
Soum Sanogo

1:30 A “Spicy” Journey: Lessons Learned in Plant Breeding and Genetics for Chile Pepper Improvement
Dennis Lozada

1:30 Using Apple-based Bioassays to Evaluate the Efficacy of Treatments Against Soilborne Pathogens of Chile Pepper - *Quaid Dobey*

2:00 Photodynamic Inactivation Approach to Improve Food Safety in Low Moisture Foods - *Luis Sabillón*

2:00 Combating chile pepper pests using IPM - *Joanie King*

2:30 Agricultural Robotics for Human-like Chile Pepper Harvesting - *Mahdi Hagsheans*

2:30 Curly top in New Mexico: A changing environment? - *Rebecca Creamer*

3:00 Easy Destemming in Chile Pepper: Insights from a QTL Study
Franchesca Ortega

3:00 Genomic Breeding for phytophthora root rot resistance in Capsicum annum - *Navdeep Kaur*

3:30 : Research Poster Session - Student Poster Award - Sponsored by the New Mexico Agricultural Experiment Station

Sponsored by:

NMSU Agriculture
Experiment Station

BIAD CHILI LLC.



BE BOLD. Shape the Future.
New Mexico State University

Conference Presenters and Staff

Ram Acharya	Associate Professor – Agriculture Economics and Agriculture Business, NMSU
Jeff Anderson	Extension Agriculture Agent – Dona Ana County Extension, NMSU
Derek Barchenger	Pepper Breeder – World Vegetable Center, Shanhua, Tainan, Taiwan
Emily Burton	Extension County Agent – Socorro County Extension, NMSU
Rebecca Creamer	Professor - Department of Entomology, Plant Pathology, and Weed Science, NMSU
Travis Day	Executive Director - New Mexico Chile Association
Quaid Dobey	Senior Agriculture Research Assistant – Entomology, Plant Pathology and Weed Science, NMSU
Leslie Edgar	Director Agriculture Experiment Station – College of Agriculture Consumer and Environmental Sciences, NMSU
Willis Fedio	Associate Professor – Center for Animal Health and Food Safety, NMSU
Luis Sabillón Galeas	Assistant Professor – Department of Family and Consumer Sciences, NMSU
Madhi Haghsheenas	Assistant Professor – Bioinspired and Biomimetic Robotics Laboratory, NMSU
Steve Hanson	Associate Professor - Department of Entomology, Plant Pathology, and Weed Science, NMSU
Navdeep Kaur	Graduate Student – Chile Breeding Program, NMSU
Joanie King	Assistant Professor - Department of Entomology, Plant Pathology, and Weed Science, NMSU
Liza Lopez	Program Specialist – Chile Pepper Institute, NMSU
Dennis Lozada	Assistant Professor – Department of Plant and Environmental Sciences, NMSU
Martha Murillo	Specialist – Department of Workforce Solutions, New Mexico
Francesca Ortega	Lab Coordinator – Extension Plant Sciences, NMSU
Chaddy Robinson	Assistant Professor – Agriculture Economics and Agriculture Business, NMSU
Matt Romero	Organic Producer, New Mexico
Soum Sanogo	Professor - Department of Entomology, Plant Pathology, and Weed Science, NMSU
Stephanie Walker	Extension Vegetable Specialist - Department of Extension Plant Sciences, NMSU
Rachel Zweig	Extension Agriculture Agent – Sandoval County Extension, NMSU

THANK YOU!

New Mexico State University and The Chile Pepper Institute

present the



Las Cruces Convention Center
680 E University Ave, Las Cruces, NM 88001

February 6 & 7, 2023



Monday, February 6, 2023

New Mexico Chile Conference
Welcome Reception

4:00pm : Welcome
Stephanie Walker

5:00pm : Guest Speaker
World Production Outlook
Derek Barchenger



Derek received his PhD from New Mexico State University then joined the World Vegetable Center in August 2017. During his PhD training, Derek received a Borlaug Fellowship and spent his six-month term at World Veg headquarters working in breeding for disease resistance in pepper. He has extensive experience in international agriculture and food security. Derek's research focuses on developing more nutritious vegetable cultivars resistant to disease, pests, and environmental stresses.



SAVE THE DATE

February 5 & 6 2024