2023 New Mexico Chile Conference
Hosted by NMSU Extension Plant Sciences and the Chile Pepper Institute

Chair – Stephanie Walker
Morning Moderator – Jeff Anderson

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 am   Lunch Break

AFTERNOON BREAKOUT SESSIONS

Technology Updates
1:00    New Mexico Chile Industry: Economic Challenges and Opportunities
        Ram Acharya
1:30    A “Spicy” Journey: Lessons Learned in Plant Breeding and Genetics for Chile Pepper Improvement
        Dennis Lozada
2:00    Photodynamic Inactivation Approach to Improve Food Safety in Low Moisture Foods - Luis Sabillón
2:30    Agricultural Robotics for Human-like Chile Pepper Harvesting - Mahdi Haghsheans
3:00    Easy Destemming in Chile Pepper: Insights from a QTL Study
        Franchesca Ortega

Pests and Disease Updates
1:00    Why is Phytophthora Still a Challenge After 100 Years of Research?
        Soum Sanogo
1:30    Using Apple-based Bioassays to Evaluate the Efficacy of Treatments Against Soilborne Pathogens of Chile Pepper - Quaid Dobey
2:00    Combating chile pepper pests using IPM - Joanie King
2:30    Curly top in New Mexico: A changing environment? - Rebecca Creamer
3:00    Genomic Breeding for phytophthora root rot resistance in Capsicum annuum - Navdeep Kaur

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

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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 Haghshenas  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
Franchesca 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