

Conference Organizer: PAQ Interactive, Inc.
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# **PROGRAM**

## **THURSDAY, MARCH 9**

	TRACK 1	TRACK 2
7:00-8:00 am	Breakfast	
7:55-8:00 am	Opening Remarks, Jared Spackman - University of Idaho	
8:00-8:50 am	Opening Keynote – The Ammonia Rainbow, Alan Blaylock - Nutrien Inc	
8:50-9:00 am	Break	
9:00-11:00 am	Breakout Session 1  Nitrogen Availability from Organic Amendments Daniel Geisseler - University of California, Davis Flushed Liquid Dairy Manure Solid Particle and Nutrient Distributions Lide Chen - University of Idaho  Effects of Long-term Biosolids Applications in Two Dryland Agroecosystems on Physical, Biological, and Chemical Soil Health Properties Madeline Desjardins - Washington State University Biosolids-based Fertilizers as a Nitrogen Source in California Small Grains Systems Konrad Mathesius - University of California Cooperative Extension	Breakout Session 2  Impact of Variable-Rate Nitrogen on Potato Yield, Quality, and Profit Elisa Flint - Utah State University  Floral Hemp Responses to Nitrogen Fertilization in the High Desert Felipe Barrios Masias - University of Nevada, Reno  Variable Rate N and P Management for High-value Vegetable Cropping Systems Charles Sanchez - University of Arizona  Spoon-fed Nitrogen and Phosphorus Management for Subsurface Drip Irrigated Cotton (Gossypium hirsutum) Joseph Burke - Texas A&M AgriLife Research
11:00-11:30 am	Break & Poster Viewing	
11:30 am-12:00 pm	Flash and Dash	
12:00-1:00 pm	Lunch and Awards	
1:00-2:15 pm	Poster Viewing	
2:15-2:30 pm	Break	
2:30-4:30 pm	Breakout Session 3  Performance of Public and Private Fertilizer Recommendations for Corn, Alfalfa, and Small Grains Matt Yost - Utah State University  CropManage Decision Support Tool for Improving Irrigation and Nutrient Efficiency of Cool Season Vegetables in California: a Decade of Field Demonstrations and Outreach Michael Cahn - University of California Extension  ManureDB: Creating a Nationwide Manure Test Database Nancy Bohl Bormann - University of Minnesota  Improved Small Grain Nitrogen Use Efficiency with California Site-specific Decision Support Nicholas Clark - University of California Cooperative Extension	
4:45-6:00 pm	Poster Viewing Session, Poster Awards and Mixer	

# FRIDAY, MARCH 10

7:00-8:00 am	Breakfast		
8:00-9:30 am	Breakout Session 4  How Variable is Variable for Production Fields in Southern Idaho? Linda Schott - University of Idaho  Variable Rate Fertilization: Soil Moisture Impacts Bryan G. Hopkins - Brigham Young University  Economics of Alfalfa Fertilization Under Inflated Hay and Fertilizer Prices Steve Norberg - Washington State University		
9:30-10:00 am	Break		
10:00-11:00 am	Breakout Session 5	Breakout Session 6	
	Optimizing Fertigation for High Value Crops Charles Sanchez - University of Arizona     Monitoring Soil Nitrate to Estimate Cover Crop N Contribution in Organic Vegetable Production Fields Dan Sullivan - Oregon State University	Crystal Green® – the Most Efficient Granular Phosphate Fertilizer Galen Mooso - Ostara     Helpful or Not?- Biostimulant Use in Corn Silage Production Linda Schott - University of Idaho	
11:00-11:10 am	End of Conference. Safe Travels Home!		

## POSTER PRESENTATIONS

# 4R's for N, P, K, S

Nitrogen Fertilizer Rate and Timing Implications for Malt, Food, and Feed Barley Production in Southern Idaho

Jacob Bevan - University of Idaho

Stacking 4R Nutrient Management: Potato

Clarissa Whitaker - Brigham Young University

# Environmental and Agricultural Nutrient Management

A Single Nutrient Source Hydroponic Solution: pH Buffering

James Ioannou - Brigham Young University

Alfalfa Fertility Survey of Oregon, Washington, and Idaho

Casey Messman - Oregon State University

Barley Yield and Protein Response to Nitrogen and Sulfur Rates and Application Timing

Olanrewaju Adeyemi - University of Idaho

Irrigation Management and Droughttolerant Genetics on Nutrient Uptake

Dakota Boren - Utah State University

Nutrient Management for Semi-arid Cannabis Production

Tina Sullivan - Utah State University

Optimizing Nitrogen Fertilizer Rates for Annual Cereal Forage Production

Janhvi Pandey - University of Idaho

Polymer Coated Urea: Microplastics in the Urban Landscape

Caden Seely - Brigham Young University

Response of Soil N Cycling, Nitrifying Organisms, and Winter Wheat Yield and Quality to Nitrification Inhibitors in High Rainfall Zones of Northern Idaho

Sarah Philpott - Western Ag Innovations

Soil Health in American Sports Fields and Golf Courses

Miria Barnes - Brigham Young University

Sus-Terra Enhanced Efficiency Phosphorus Fertilizer on Potato Grown in Calcareous Soil

Lauren Sannar - Brigham Young University

#### General

Determining Lime Requirements for Idaho Soils

Kaone Mookodi - University of Idaho

Evaluating Zinc Requirements of Corn, Small Grains, and Alfalfa

Megan Baker - Utah State University

The Effects of Calcium Source and Placement on Soil Factors and Wheat Performance Factors

Sahalie Ellickson - Oregon State University

Using Calcium Hydroxide for Lime Incubation Studies and Moisture Effects on Liming

Carlton Collins - Brigham Young University-Idaho

Erik Loera - Brigham Young University- Idaho Rov Reid - Brigham Young University- Idaho

## Nutrient Cycling in Regenerative Agriculture

Development of a Constrained Resource Model to Support Intercropping Decisions

Ken Greer - Western Ag Innovations

Nitrogen Management to Increase Cotton Production in Conservation Cropping Systems

Joseph Burke - Texas A&M AgriLife Research

Soil Greenhouse Gas Dynamics in Response to Dairy Manure Compost in an Almond Orchard

Adolfo Coyotl - University of California, Davis

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109 E. Main St., Monticello, IL 61856