

GREAT PLAINS SOIL FERTILITY CONFERENCE

MARCH 3-4, 2026 • LUBBOCK, TEXAS

2026 STANDING COMMITTEE

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Joseph Burke, Texas A&M AgriLife

Conference Organizer: PAQ Interactive, Inc.
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March 3-4, 2026 | McKenzie-Merket Alumni Center | Lubbock, Texas

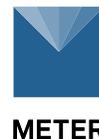
TUESDAY, MARCH 3, 2026

11:00 AM - 12:15 PM	Registration and Poster Set Up	
12:15 - 12:30 PM	Welcome and Announcements	
12:30 - 1:00 PM	KEYNOTE ADDRESS The Past, Present, and Future of Soil Testing	<i>Raymond Ward</i>
	Session 1.1 - Conservation Practices and Nutrient Management	<i>Moderator: Joseph Burke</i>
1:05 - 2:25 PM	Assessment of Microalgae Amendments on Soil Nutrient Dynamics and Cotton Productivity Under Limited Irrigation in Texas High Plains	<i>Arjun Kafle</i>
	Seeding Rate and Planting Configuration Affect the Interspecific Function of a Wheat-pea Cover Crop	<i>Reagan Noland</i>
	Cover Crop Function and Management Optimization for Semiarid West Texas Cropping Systems	<i>Tajamul Hussain</i>
	Cover Crop Planting Time Effects on Biomass Productivity, Soil Health and Wheat Yield in Dryland Systems	<i>Augustine Obour</i>
2:25 PM	Break	
	Session 1.2 - Conservation Practices and Nutrient Management	<i>Moderator: Joseph Burke</i>
2:45 - 4:00 PM	Forages and Livestock to Diversify Wheat-based Cropping System	<i>Zach Carson</i>
	Post-wheat Summer Cover Crop Effects Crop Yields and Soil Properties in a No-till Dryland Cropping System	<i>Logan Simon</i>
	Amelioration of Water Repellent Soils and Improving the Production of Calcareous Soils in South Australia - a Farmer Experience	<i>Andrew Polkinghorne</i>
4:00 PM	Break	
	Session 2 - Nitrogen Management	<i>Moderator: Logan Simon</i>
4:15 - 5:50 PM	Evaluating the Profitability of Nitrogen Management Strategies to Increase Yield in Regenerative Cotton Production Systems	<i>Andrew Wright</i>
	Evaluating the Existing Calibration Curve for Sensor-Based N Management in Grain Sorghum	<i>Deepa Pokharel</i>
	Optimizing Nitrogen Inputs in Barley Production in Idaho, Montana, and North Dakota	<i>Brady Goettl</i>
	Evaluation of Nitrogen Fertilizer and Rhizobium Inoculation to Improve Grain Yield and Quality of Soybean and Dry Bean in Eastern Montana	<i>Chengci Chen</i>
5:50 PM - 7:00 PM	Poster Viewing, Student Poster Competition, and Social	

WEDNESDAY, MARCH 4, 2026

8:00 - 8:50 AM	Breakfast	
8:50 - 8:55 AM	Welcome Back	
8:55 AM - 10:25 AM	Session 3.1 - Nutrient Management and Analysis	<i>Moderator: Gerson Drescher</i>
	Using Theory and Experiments to Understand Plant Physiological Responses to Nutrient Availability	<i>Nick Smith</i>
	Nutrient Uptake Variability of Modern Cotton Cultivars	<i>Joseph Burke</i>
	Optimization of Zinc Fertilizer in Cotton	<i>Katie Lewis</i>
	Nitrogen and Sulfur Interaction in Corn Production- Multi-state Study	<i>Brian Arnall</i>
10:25 AM	Break and Poster Viewing	
10:55 AM - 12:05 PM	Session 3.2 - Nutrient Management and Analysis	<i>Moderator: Brian Arnall</i>
	Season-long Tools for Effective Potassium Management in Arkansas Cotton Production	<i>Gerson Drescher</i>
	Long-term Effects of Cover Cropping and Potassium and Phosphorus Fertilization on Soil Test Results in a Row Crop Production System	<i>Joao Silva</i>
	Plant Tissue Analysis: Do the Numbers Make Sense?	<i>Fred Vocasek</i>
12:05 PM - 1:30 PM	Lunch - Sponsorship Recognition, Student Poster Awards, and Leadership Award	
1:30 PM	Poster Viewing	
2:00 PM - 3:35 PM	Session 3.3 - Nutrient Management and Analysis	<i>Moderator: Katie Lewis</i>
	Managing High-pH Soils: Restoring Nutrient Function with Polysulphate and Acidic Phosphate Fertilizers	<i>Anserd "AJ" Julius Foster</i>
	Impact of Macronutrients (P, K, and S) on Field Crop Production in the Intermountain West	<i>Megan Baker</i>
	Wheat Zinc Nutrition: Agronomic Biofortification That Delivers Yield and Better Grain Nutrition	<i>Mathieu Proulx</i>
	Nitrogen Management in Texas Corn Using UAV-based Multispectral Imaging	<i>Gurjinder Baath</i>
3:35 PM - 3:45 PM	Closing Remarks, Safe Travels!	

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POSTER PROGRAM

Student Posters		Author
P1	Genotypic Variation in Winter Wheat Yield Components Response to Nitrogen Management and Seeding Density	<i>Samson Abiola - Oklahoma State University</i>
P2	Drivers of Response to Potassium Fertilizer in Soybean Production	<i>Samuel Akin - Oklahoma State University</i>
P3	Short-Term Changes in Soil Properties Following Simulated Wildfire After Winter Wheat Harvest	<i>Priscilla Akporsoe - Kansas State University</i>
P4	Carbon & Nitrogen Transformation in Soil after Biosolids or Inorganic Fertilizer Application	<i>Sandesh Bhatta - Texas Tech University</i>
P5	How Do Nitrogen, Irrigation, and Seeding Density Affect Corn Production?	<i>Aicha Biaou - Oklahoma State University</i>
P6	Carbon and Nutrient Cycling in Texas Plains Regenerative Cotton	<i>Nick Boogades - Texas Tech University</i>
P7	Evaluating Side-Dress N Application Method in Sorghum	<i>Cristian Camacho - Oklahoma State University</i>
P8	Raw Manure Applications Combined with Nitrogen Stabilizers to Increase Nitrogen Uptake Efficiency in Cotton Production Systems	<i>Noelia Curbelo - Texas A&M AgriLife Research</i>
P9	Monitoring Nitrogen Transformations and Their Interaction with Potassium Uptake in Cotton Production Systems	<i>Jolee Derrick - Oklahoma State University</i>
P10	Does P&K Timing or Rate Drive Productivity in Wheat-Soybean Double Cropping System?	<i>Chisom Ejezie - Oklahoma State University</i>
P11	Root-Restrictive Layer Depth As a Driver of Crop Yield Variability	<i>Ishneet Kaur - Oklahoma State University</i>
P12	Maize Response to Nitrogen and Sulfur Fertilization Rates	<i>Nick Mathey - Oklahoma State University</i>
P13	Sheep Grazing Preference and Nutrient Cycling Implications Among Cover Crop Species	<i>Ryan Matschek - Texas A&M AgriLife</i>
P14	Evaluating Charging and Inoculating Biochar Derived from Invasive Species Effects on Growth and Yield of Crops and Soil Health in Oxisol and Mollisol Soils	<i>Shawn Meaney - University of Hawaii at Manoa</i>
P15	Influence of Nitrogen Management and Precipitation on Sorghum Nitrogen Use Efficiency	<i>Mauro Platero - Kansas State University</i>
P16	Impacts of Crop Management on Grain Yield, Grain Quality, Cover Crop Biomass, Residue Cover, and Residual Nitrogen in Dryland Systems	<i>Jena Schwartze - Kansas State University</i>
P17	Defining Critical Tissue-Potassium Concentrations for Furrow Irrigated Corn Production	<i>Joao Silva - University of Arkansas</i>
P18	Impacts of Nitrogen Rates and Enhanced Efficiency Products on Kansas Cotton	<i>Carissa Sohm - Kansas State University</i>
P19	Nitrogen Management in Double Crop Corn	<i>Emily Staton - Oklahoma State University</i>
General Posters		Author
P20	Different Sources and Rates of Nitrogen Fertilizers Influence Carbon Mineralization, Nitrogen Cycling and Soil pH of Two Major Soil Series of Texas High Plains	<i>Arjun Kafle - Texas A&M AgriLife Research</i>
P21	Stacking Regenerative Agricultural Practices Under Irrigated Forage Production	<i>Catherine Stewart - USDA-ARS</i>