

## South Dakota Soybean Research & Promotion Council

### FY26 Research Proposal Review

South Dakota State University

Raven Precision Agriculture Center

South Dakota Soybean Conference Room 236

**April 9, 2025**

9:00	Welcome   SDSU + SD Pork + SD Corn Swine Proposal	Joseph Cassady
9:15	Are Soybeans the Key to Unlocking Growth Potential in Beef Calves?	Warren Rusche (via Zoom)
9:30	Exploring Extruded Soybean Meal as Source of Protein and Fat for Cattle	Ana Clara Baiao Menezes
9:45	Year 3 of 3: Addressing Problem of Soybean White Mold Disease in South Dakota	Shyam Solanki
10:00	Year 2 of 3: Assessment of Mid-Late Season Foliar Diseases of Soybean	Shyam Solanki
10:15	Year 5 of 5: Increasing Data for Pesticide Applications in Soybean Production	Laura Edwards
10:30	Break	
10:45	Year 2 of 3: Soybean Production with Strip-Tillage	Peter Kovacs
11:00	Year 1 of 3: Planting Depth Consideration in Soybeans in Response to Changing Climate Induced Earlier Planting	Peter Kovacs
11:15	Achieving 100 Bu/A Soybean Yields: On-Farm Research and Sharing High Yield Protocols with South Dakota Soybean Producers	David Clay
11:30	Advancing Novel Applications of Soybean Processing Waste Through Conversion into Nutritional and Functional Oligosaccharides	Bishnu Karki
11:45	Not So Fast! Do Synthetic Amino Acids Substitute for all the Nutritional Benefits of Soy Protein in Today's Lean Pig?	Eric Weaver
12:00	Lunch	
1:00	Increasing High Oleic Soy Products Inclusion in Swine and Poultry Diets to Improve Growth Performance and Monounsaturated Fatty Acids Deposition	Crystal Levesque
1:15	Year 2 of 2: Detection of Fusarium virguliforme-borne Sudden Death Syndrome Disease in Soybean using Portable Hyperspectral Imaging System and AI-driven Computer Vision	Pappu Kumar Yadav

1:30	Commodity Classic Student Experience Recap	Cheryl Reese Nic Uilk Jesse Enstad
1:45	Evaluating Multi-year Banded vs Broadcast Fertilizer Programs in SD Corn/Soybean Rotation	Brady Hauswedell – ABG Ag Services
2:00	Unlocking the Hidden Value of South Dakota Soybeans for Large, High-Value, Domestic 'Bioactive Compound' Markets	Jeremy Javers – Prairie AquaTech - Houdek
2:15	USDA – ARS	Chuntao Yin
2:30	Break	
2:45	Enhancing Soybean Oil Extraction Efficiency Using Enzymatic Processing & Utilizing Defatted Soybean Meal in Biodegradable Mulch Films	Tanvi Govil – SD School of Mines & Technology (via Zoom)
3:00	E-Soil: Early detection of Soybean Outbreaks using Integrated Learning	Mohammadreza Mehraban – SD School of Mines & Technology (via Zoom)
3:15	Production of EPA and DHA Omega 3 Fatty Acids From Schizochytrium sp.via Intensified Utilization of Soybean Hull: A Process Engineering Approach	Ankan Sinha & David Salem – SD School of Mines & Technology (via Zoom)
3:30	Development of a Biopesticide for Effective Treatment of Soybean Cyst Nematode	Matthew Cole – Pioneer BioTech
3:45	Public Input	
3:50	Other Items	
3:55	Adjourn	
4:00	Tour of Dakota BioWorx & Pioneer BioTech	2405 Research Park Way
4:30	Drive to Sioux Falls	
6:00	Group Dinner – TBD	