

South Dakota Soybean Research & Promotion Council

FY27 Research Proposal Review

South Dakota State University

Raven Precision Agriculture Center

South Dakota Soybean Conference Room 236

April 1, 2026

9:00	Welcome Opening Remarks	Dr. John Blanton
9:15	Accelerating Trait Development for South Dakota Farmers: Establishing a Soybean Tissue Culture and Transformation Platform	Karen Sanquinet
9:30	Valorizing the Crush Surplus: Engineering "Water-Free" High-Loading Soy Meal Filaments with Intrinsic Antimicrobial Properties	Ren Yang
9:45	Bio-Polyurethane (Bio-PU)-Based Controlled -Release Fertilizer Systems for Improving Nutrient Efficiency and Profitability in South Dakota Soybean Production	Mazhar Sher
10:00	Strengthening Domestic Soybean Markets and Beef Cattle Reproductive Efficiency	Rebecca Swanson
10:15	Achieving 100 Bu/A Soybean Yields: On-Farm Research and Sharing High Yields Protocols with South Dakota Soybean Producers	David Clay
10:30	Dectes Stem Borer Research: Evaluating Cultural Management and Developing Scouting Techniques Using Species Specific Pheromone Lures	Adam Varenhorst
10:45	Break	
11:00	Stacking the Deck: Combining Growth Promoting Technology with Soy Protein to Increase Cattle Growth	Warran Rusche
11:15	Current State of Herbicide-Resistant Weeds in Soybean and Integrated Strategies of Their Management	Sachin Dhanda
11:30	Pharmacokinetics, Biodistribution, and Acute Toxicity of Soybean Constituents in Swine	Rafe Royall
11:45	Rethinking Protein for Growing Bulls: Performance Responses to Dried Distillers Grains with Soluble for Soybean Meal Products	Cody Wright
12:00	Lunch	
1:00	Addressing the Problem of Soybean White Mold Disease in South Dakota	Shyam Solanki #1

1:15	Assessment of Mid-Late Season Foliar Diseases of Soybeans	Shyam Solanki #2
1:30	Soybean Production with Strip Tillage	Peter Kovacs #1
1:45	Field Testing of a Novel Agricultural Biological from Fermented Soybean Meal	Peter Kovacs #2
2:00	Strategic and Timely Inclusion of Roasted-Soybeans for Finishing Cattle	Zach Smith #1
2:15	Roasted High-Oleic Soybeans to Counteract Insulin Resistance in Finishing Cattle	Zach Smith #2
2:30	Break	
2:45	Red Crown Rot in Soybeans	Madalyn Shires
3:00	SCN Diagnosis & Examination of Alternative Hosts that May be Driving Development of SCN Resistance	Madalyn Shires
3:15	Commodity-Based Bioproduct Innovation	Daniel Scholl and Craig Arnold
3:30	Commodity Classic Student Experience Recap	Nic Ulik
3:45	Nitrogen and Sulfur Management to Break Soybean Yield Barriers	Brady Hauswedell; ABG Ag Services
4:00	Continuing Development of a Biosurfactant for Effective Treatment of Soybean White Mold	Matthew Cole; Pioneer BioTechnology
4:15	Production of High-Value Fermentable Sugars from Soybean Hulls	Neal Connors; Dakota BioWorx
4:30	Public Input	
4:35	Other Items	
4:45	Adjourn	
6:00	Group Dinner – TBA	