

# 2023 Checkoff Production Research Projects

Researcher	Topic/Project title
Ali Nafchi	Site-Specific Soybean Cyst Nematodes Detection Using EC Mapping (Year 1 of 3)
Andrew Lueck	2023 Evaluation of Waterhemp Control and Crop Injury
Andrew Lueck	Soybean Pest Management and Agronomic Research and Technology Transfer
Andrew Lueck	2023 Resistance Management of Waterhemp and Giant Ragweed
Angie Peltier	2023 Western MN Soybean IPM Survey & Ag Student Training Program
Angie Peltier	Team Soybean! 2023 MN Soybean Cyst Nematode Sampling and Education Program
Dean Malvick	Addressing Management Challenges with Soybean Stem Diseases in MN
Dean Malvick	Frogeye Leaf Spot Awareness Campaign
Debalin Sarangi	Soybean Canopy for Herbicide-Resistant Weed Management/ What Matters Most for Canopy Development?
Debalin Sarangi	Integrated Management of Herbicide-Resistant Giant and Common Ragweed in MN
Debalin Sarangi	Spray Chamber for Soybean Pest Management Research
Megan McCaghey	Determining the Current Phytophthora Sojiae Population and the Status of Variety Resistance in MN Using Improved Methods
Megan McCaghey	Enhancing Sclerotinia Stem Rot Research Capacity and Exploring New Avenues of Disease Management Through Soybean Canopy Architecture Traits
Robert Lee Koch	Evaluating Control Methods for a New Leaf-Mining Pest of Soybean in MN
Robert Lee Koch	Cold Hardiness of Soybean Gall Midge: Foundations for Pest Forecasting and Cultural Contract (YR 2/3)
Ryan Miller	Managing Volunteer Corn in 2,4-D Tolerant Soybeans
Senyu Chen	Characterizing and Genetic Mapping of SCN Virulence Phenotypes
Aaron Lorenz	Advancing Varietal Resistance to Soybean Cyst Nematode in MN
Aaron Lorenz	Soybean Breeding and Genetics
Ashish Ranjan	Screening Soybean Varieties to Identify Genetic Resources of Resistance Against White Mold
Bob Stupar	New Biotechnology to Improve and Understand Soybean Traits (Year 3 of 4)
Aaron Lorenz	The University of MN Soybean Research Center
Adam Alford	Phase IV. Sharing out Story: The Educational Successes and Challenges of Encouraging SMSU Agriculture Students to Integrate CCA Certification Into Their Curricula and Career Paths
Adam Alford	Exploration in Soybean Growth Habits Under Different Planting Populations and With Simulated Hail Damage to Enhance the Agricultural Learning of Future Agriculture Professionals
Dan Kaiser	Nutrient Management for Profitable Soybean Production
Jeff Vetsch	Is Soybean Production Affected by Band and Broadcast Applications of P and K for Corn?
Seth Naeve	Can we Predict Green Stem Disorder?
Seth Naeve	Yield Loss From Delayed Planting Across MN: Impact of Maturity Rate Adjustment
Seth Naeve	Soybean Phenology Predictor Tool for MN
Seth Naeve	Spring Frost Risk for Soybean in MN
Seth Naeve	Everyone Wants Something for Nothing: Is There Hope for Double Crops or Cover Crops in MN
Seth Naeve	Is Soybean Desiccation a Tool for Earlier Harvest and Increased Harvest Efficiency in MN
Seth Naeve	Soybean Extension for a Modern World: Connecting With More Minnesota Farmers
Seth Naeve	UMN/MSRPC Drainage and Tillage Research Site
Mark Querna	Demonstrating Use of a Combine-Mounted NIRS to Acquire In-Field Estimates of Soybean Quality Composition

***For questions on specific projects, contact David Kee at [david@mns soybean.com](mailto:david@mns soybean.com).***