



FY23 MSR&PC Production Research Projects



Researcher	email	Topic/Project title
Pest Management		
Ali Nafchi	Ali.Nafchi@sdstate.edu	Site-Specific Soybean Cyst Nematodes Detection Using EC Mapping (Year 1 of 3)
Andrew Lueck	andrew.lueck@nxtgenag.com	2023 Evaluation of Waterhemp Control and Crop Injury
Andrew Lueck	andrew.lueck@nxtgenag.com	Soybean Pest Management and Agronomic Research and Technology Transfer
Andrew Lueck	andrew.lueck@nxtgenag.com	2023 Resistance Management of Waterhemp and Giant Ragweed
Angie Peltier	apeltier@umn.edu	2023 Western MN Soybean IPM Survey & Ag Student Training Program
Angie Peltier	apeltier@umn.edu	Team Soybean! 2023 MN Soybean Cyst Nematode Sampling and Education Program
Dean Malvick	dmalvick@umn.edu	Addressing Management Challenges with Soybean Stem Diseases in MN
Dean Malvick	dmalvick@umn.edu	Frogeye Leaf Spot awareness campaign
Debalin Sarangi	dsarangi@umn.edu	Soybean Canopy for Herbicide-Resistant Weed Mngt/ What Matters Most for Canopy Development?
Debalin Sarangi	dsarangi@umn.edu	Integrated Management of Herbicide-Resistant Giant and Common Ragweed in MN
Debalin Sarangi	dsarangi@umn.edu	Spray Chamber for Soybean Pest Management Research
Megan McCaghey	mmccaghe@umn.edu	Determining the current <i>Phytophthora sojae</i> Population and the Status of Variety Resistance in MN using Improved Methods
Megan McCaghey	mmccaghe@umn.edu	Enhancing Sclerotinia Stem Rot Research Capacity and exploring new avenues of disease management through soybean canopy architecture traits
Robert Lee Koch	koch0125@umn.edu	Evaluating control methods for a new leaf-mining pest of soybean in MN
Robert Lee Koch	koch0125@umn.edu	Cold Hardiness of Soybean Gall Midge: Foundations for pest forecasting and cultural contract (YR 2/3)
Ryan Miller	mill0869@umn.edu	Managing Volunteer Corn in 2,4-D Tolerant Soybeans
Senyu Chen	chenx099@umn.edu	Characterizing and Genetic Mapping of SCN Virulence Phenotypes

Soybean Breeding and Genetics

Aaron Lorenz	lore0149@umn.edu	Advancing Varietal Resistance to Soybean Cyst Nematode in MN
Aaron Lorenz	lore0149@umn.edu	Soybean Breeding and Genetics
Ashish Ranjan	aranjan@umn.edu	Screening Soybean Varieties to Identify Genetic Resources of Resistance against White Mold
Bob Stupar	stup0004@umn.edu	New Biotechnology to Improve and Understand Soybean Traits (Year 3 of 4)

Other Agronomy

Aaron Lorenz	lore0149@umn.edu	The University of MN Soybean Research Center
Adam Alford	adam.alford@smsu.edu	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	adam.alford@smsu.edu	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	dekaiser@umn.edu	Nutrient Management for Profitable Soybean Production
Jeff Vetsch	jvetsch@umn.edu	Is Soybean Production affected by Band and Broadcast Applications of P and K for Corn?
Seth Naeve	naeve002@umn.edu	Can we Predict Green Stem Disorder?
Seth Naeve	naeve002@umn.edu	Yield loss from delayed planting across MN: Impact of maturity rate adjustment
Seth Naeve	naeve002@umn.edu	Soybean Phenology Predictor Tool for MN
Seth Naeve	naeve002@umn.edu	Spring Frost Risk for Soybean in MN
Seth Naeve	naeve002@umn.edu	Everyone wants something for nothing: Is there hope for double crops or cover crops in MN
Seth Naeve	naeve002@umn.edu	Is Soybean Desiccation a Tool for Earlier Harvest and Increased Harvest Efficiency in MN
Seth Naeve	naeve002@umn.edu	Soybean Extension for a Modern World: Connecting with more Minnesota Farmers
Seth Naeve	naeve002@umn.edu	UMN/MSRPC Drainage and Tillage Research Site
Mark Querna	Mark.Querna@firstseedtests.com	Demonstrating use of a combine-mounted NIRS to acquire in-field estimates of soybean quality composition.

For research updates, follow me on Twitter @DavidKeeMN