

Research for project periods beginning in 2015

- **[Breeding High Yielding Bioenergy Sorghum for the New Bioenergy Belt](#)**. Lead PI: [Stephen Kresovich](#). Sep 30, 2015 - Sep 29, 2018. Funded by the DOE ARPA-E TERRA (\$6,600,000)
- **[Building a Better Peach](#)**. Co PI: [Ksenija Gasic](#), [Stephen Kresovich](#), [Amy Lawton-Rauh](#), [Greg Reighard](#), [Chris Saski](#), [Guido Schnabel](#). Funded by Wells Fargo (\$150,000)
- **[Comparative Transcriptomics of Sweet and Grain Sorghum to Understand the Mechanism and Timing of Sugar Accumulation in an Important Bioenergy Crop](#)**. Lead PI: [Elizabeth Cooper](#). Oct 2015 - Oct 2016. Supported by the DOE - Joint Genome Institute's Community Sequencing Program
- **[Drought, Heat and Flood Tolerant Varieties for the Midwest and South: Building on Success](#)**. Co PI: [Ben Fallen](#). Jan 1, 2015 - Dec 31, 2015. Funded by the United Soybean Board
- **[Evaluation of the Effects of Commercially Available Products on Soybean Pod Retention](#)**. Lead PI: [Ben Fallen](#). June 1, 2015 - May 30, 2016. Funded by the South Carolina Soybean Board (\$9,868)
- **[Evaluation of South Carolina Soybean Breeding Lines in 2015](#)**. Lead PI: [Ben Fallen](#). June 1, 2015 - May 30, 2016. Funded by the South Carolina Soybean Board (\$14,140)
- **[Identification of Host Plant Resistance Mechanisms in Soybean to the Invasive *Megacopta cibraria* \(Hemiptera: Plataspidae\)](#)**. Co PI: [Ben Fallen](#), [Jeremy Greene](#), [Francis Reay-Jones](#). Oct 1, 2015 - Sep 30, 2019. Funded by the USDA-NIFA
- **[Incorporation of the Roundup Resistance Gene into Soybean Forage Varieties](#)**. Lead PI: [Ben Fallen](#). Aug 1, 2015 - July 31, 2016. Funded by Specialty Seed Company (\$14,174)
- **[Management of a New Strain of *Alternaria alternata* Resistant to Key Fungicides](#)**. Lead PI: [Guido Schnabel](#). Jan 1, 2015 - Dec 31, 2016. Funded by SCDA SC Fruit, Vegetable, & Specialty Crop Association (\$25,000)
- **[A Reference Phenotyping System for Energy Sorghum](#)**. Co PI: [Stephen Kresovich](#). Sep 15, 2015 - Sep 14, 2018. Funded by the DOE ARPA-E TERRA through the Donald Danforth Plant Science Center (\$213,750)

- **[Southeastern US Sorghum Breeding, Genetics, and Germplasm Evaluation and Advancement Program](#)**. Lead PI: [Stephen Kresovich](#). April 1, 2015 - March 31, 2018. Funded by the United Sorghum Checkoff Program (\$300,000)
- **[Strategic Management of Multiple Diseases in Strawberry Nurseries and Production Fields in the Eastern U.S.](#)**. Co PI: [Guido Schnabel](#). Jan 1, 2015 - Dec 31, 2019. Funded by the USDA Specialty Crops Research Initiative (\$3,000)
- **[Systems Analysis of the Physiological and Molecular Mechanisms of Sorghum Nitrogen Use Efficiency, Water Use Efficiency, and Interactions with the Soil Microbiome](#)**. Co PI: [Stephen Kresovich](#). Sep 1, 2015 - Aug 31, 2020. Funded by the US DOE BER through the University of Nebraska (\$616,632)
- **[Understanding the Genetic Basis of Key Sorghum Traits to Improve Quality Grain Production in the Mid-Atlantic](#)**. Lead PI: [Stephen Kresovich](#). June 1, 2015 - May 20, 2016. Funded by the NC Biotechnology Center (\$52,531)