

Research for project periods beginning in 2019

- **3P Program: Phenotyping X Prediction = Productivity.** Lead PI: [Stephen Kresovich](#). 2019-2022. Funded by the DOE ARPA-E TERRA (\$10,000,000)
- **Detecting and Managing the Hypervirulent Nematode *Meloidogyne enterolobi* on Sweet Potato and Pepper in South Carolina.** Lead PI: [John Mueller](#). 2019-2022. Funded by SC Dept of Agriculture (\$44,974)
- **Developing Resources to Manage the Exotic Root-knot Nematode *Meloidogyne enterolobi*.** Lead PI: [John Mueller](#). 2019-2021. Funded by USDA (\$18,875)
- **Development of Genomic and Molecular Tools to Accelerate the Identification and Delivery of Durable Genetic Resistance to Fov4 in Upland Cotton.** Lead PI: [Chris Saski](#). 2019-2022. Funded by USDA (\$294,000)
- **Feed the Future Innovation Lab for Crop Improvement.** Lead PI: [Stephen Kresovich](#). 2019-2024. Funded by USAID (Cornell University) (\$25,000,000)
- **Genomic and Epigenomic Analyses of Fiber Development in Allotetraploid Cottons.** Lead PI: [Chris Saski](#). 2019-2022. Funded by University of Texas (\$124,000)
- **Investigating Action Thresholds and Alternative Approaches for Managing *Helicoverpa zea* in Cotton.** Lead PI: [Jeremy Greene](#). 2019-2022. Funded by Texas A&M (\$78,000)
- **A Multi State Effort to Contain and Manage the Invasive Guava Root Knot Nematode in Vegetable Crops.** Lead PI: [Paula Agudelo](#). 2019-2023. Funded by USDA (\$3,418,580)
- **Targeting Traits Associated with the Drought Stress Response to Breed Grain Crops with Increased Water Use Efficiency and Productivity for SC Growers**
Lead PI: [Rick Boyles](#). Co PI: [Stephen Kresovich](#). January 15, 2019 - June 30, 2020. Funded by Clemson Public Service and Agriculture (\$99,999)
- **Transgene Removal and Containment in Important Perennial Grasses.** Lead PI: [Hong Luo](#). 2019-2023. Funded by USDA (\$499,999)