

Research for project periods beginning in 2012 and earlier

2012

- **[How Does the Plant Say No More? - A Molecular Genetic Approach to Nodule Number Regulation](#)**. Lead PI: [Julia Frugoli](#). 2012-2016. Funded by the National Science Foundation (\$333,717)
- **[Population Genetics of Herbicide Resistance in *Palmer amaranth*](#)**. Lead PI: [Amy Lawton-Rauh](#). 2012 - 2017. Funded by Cotton Incorporated (~\$40,000 per year)
- **[Screening Elite Soybean Lines for Resistance to Multiple Species of Nematodes and Foliar Diseases](#)**. Co PI: [John Mueller](#), [Emerson Shipe](#). 2012. Funded by the South Carolina Soybean Board (\$5,993)

-2011

- **[Bioengineering Soybean for Enhanced Abiotic Stress Tolerance](#)**. Lead PI: [Hong Luo](#). Funded by the South Carolina Soybean Board (\$15,576)
- **[Development of Nematode Resistant Long-Juvenile Cultivars to Enhance Soybean Profitability in the Southern US](#)**. Lead PI: [Emerson Shipe](#). 2011. Funded by the United Soybean Board (\$18,345)
- **[Effect of "Hot" Herbicide Systems on the Growth, Development, and Yield on Soybeans in South Carolina](#)**. Lead PI: [David Gunter](#). Funded by the South Carolina Soybean Board (\$8,000)
- **[Effect of Starter Fertilizer Systems on the Growth, Development, and Yield of Soybeans in South Carolina](#)**. Lead PI: [David Gunter](#). Funded by the South Carolina Soybean Board (\$8,500)
- **[Evaluation of Soybean Genotypes for Insect Resistance](#)**. Lead PI: [Ben Fallen](#). Co PI: [Jeremy Greene](#), [Francis Reay-Jones](#). Funded by the South Carolina Soybean Board (\$11,210)
- **[Improving the Sampling of the Invasive Bean Plataspid \(*Megacopta cribraria*\) in South Carolina Soybeans](#)**. Lead PI: [Francis Reay-Jones](#). Co PI: [Jeremy Greene](#). Funded by the South Carolina Soybean Board (\$10,800)
- **[Investigating Bio-control Options for Managing the Invasive Bean Plataspid \(Kudzu Bug\) \(*Megacopta cribraria*\) in South Carolina Soybeans](#)**. Lead PI: [Jeremy](#)

[Greene](#). Co PI: [Francis Reay-Jones](#). Funded by the South Carolina Soybean Board (\$12,000)

- [Investigating Insect Growth Regulators and Residual Insecticide Control of the Invasive Bean Plataspid \(*Megacopta cribraria*\) in South Carolina Soybeans](#). Lead PI: [Jeremy Greene](#). Co PI: [Francis Reay-Jones](#). Funded by the South Carolina Soybean Board (\$8,000)
- [Management of the Kudzu Bug / Bean Plataspid, *Megacopta cribraria* \(Hemiptera: Plataspidae\), in Soybeans in Southeastern USA](#). Lead PI: [Jeremy Greene](#). Funded by the South Carolina Soybean Board (\$143,906)
- [Manipulation of Kudzu Bug Bacterial Community to Reduce Transmission Efficiency of Its Required Nutritional Symbiont](#). Co PI: [Jeremy Greene](#). Funded by the South Carolina Soybean Board (\$6,000)
- [Twin Row Cropping Systems on the Growth, Development, and Yield of Soybeans in South Carolina](#). Lead PI: [David Gunter](#). Funded by the South Carolina Soybean Board (\$5,000)
- [Understanding Soybean Reactions to Reniform Nematode Infection](#). Lead PI: [Paula Agudelo](#). Funded by the South Carolina Soybean Board (\$8,755)
- [Using STS Technology to Control Glyphosate-Resistant *Palmer amaranth* in Soybean Production Systems](#). Lead PI: [David Gunter](#). Funded by the South Carolina Soybean Board (\$9,000)