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| Please use this form to clearly and concisely report on project progress. The information included should reflect quantifiable results that can be used to evaluate and measure project success. Comments should be limited to the designated boxes. Technical reports, no longer than 4 pages, may be attached to this summary report. | |
| Project Number: | ??? (I don’t have the number) |
| Project Title: | Enhancing Stink Bug Resistance in Midsouth Soybean |
| Organization: | LSU AgCenter |
| Project Lead Name: | Jeffrey A. Davis |
| Report Date: | 06/15/2022 |
| **National Soybean Checkoff Research Database** [**https://www.soybeanresearchdata.com/**](https://www.soybeanresearchdata.com/) **(public website funded by USB). Please include a non-technical project status along with your project status. The non-technical project status will be published to the website. If a non-technical project status is not provided, the contents of this entire report will be published.** | |
| Project Status: | |
| This project began March 2022. Currently, soybean producers lack stink bug resistant varieties for stink bugs that yearly reduce yield and quality. The purpose of this project is to identify and develop sources of resistance for the stink bug complex and to incorporate resistance into varieties adapted to the Mid-South. Seventeen soybean selections from Dr. Chen (University of Missouri) were sent to Dr. Davis in late May 2022 for infield evaluations of stink bug resistance. These selections were planted June 14, 2022. This late planting is to ensure stink bug pressure for in-field evaluations. An additional fourteen commercial MG IV varieties were also selected for evaluation, not only to assay for stink bug tolerance but also as a comparison of high-yielding varieties which may be able to compensate for high stink bug damage. Thus, a total of thirty-one soybean lines were planted in a RCBD, four rows x 30 ft on 2.5 ft centers at 8 seed per row ft. A limited term employee has been hired to conduct the laboratory and field experiments prior to the graduated student starting this fall. | |
| **Non-technical project status:** | |
| This project began March 2022. Currently, soybean producers lack stink bug resistant varieties for stink bugs that yearly reduce yield and quality. The purpose of this project is to identify and develop sources of resistance for the stink bug complex and to incorporate resistance into varieties adapted to the Mid-South. Soybean lines were planted, and assessment will begin once lines reach pod initiation. | |