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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 four pages, may be attached to this summary report. |
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| Project Title:  | Enhancing Stink Bug Resistance in Midsouth Soybean |
| Organization:  | LSU AgCenter and University of Missouri-Fisher Delta Research Center |
| Principal Investigator Name: | Dr. Jeffrey A. Davis |
| Other investigators:  | Dr. James Grover Shannon |
| Report Period: | 12/16/2022 to 3/15/2023 |
| Project Status: Ongoing; year 1 of a three-year project |
| **New Stink Bug Resistant Lines** We are in the process of selecting 4~8 lines that are the most resistant and susceptible to stink bug to create 2~4 mapping populations. Lines will be sent to LSU for planting and evaluation in 2023. **Evaluation of Stink Bug Resistant Lines**Life table analyses have been completed for the lines sent for 2022 growing season. S21-21938 had no nymphs reach adult, resulting in a negative intrinsic rate of increase. This line also had the lowest damage index.  |