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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. |
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| Project Title:  | Enhancing Stink Bug Resistance in Midsouth Soybean |
| Organization:  | LSU AgCenter |
| Principal Investigator Name: | Jeffrey A. Davis |
| Report Period: | 9/15/2022 |
| Project Status: |
| It is with heavy heart that we found out about the passing of Dr. Chen in early August. He was a friend and colleague, and we will miss him and his expertise. We are excited to have Dr. Shannon take over for Dr. Chen until his replacement can be found. We have been sampling weekly for stink bugs via sweep net in the 31 soybean lines planted this year. This allows us to count overall numbers of adults and nymphs found in each variety. Stink bug numbers have been high with redbanded stink bug the primary species found followed by southern green stink bug, green stink bug, and brown stink bug. Soybeans reached R5 stage in July, allowing for laboratory assays to begin. Using laboratory life table studies, we are assessing host plant resistance and estimating population dynamics. We will harvest late September and begin assessing impacts on yield and quality. Data will then be sent to Dr. Shannon so he may make additional selections this winter in his crossing nursery. |