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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:  | 1820-172-0122 |
| Project Title:  | Effects of the Introduction of Feed Grains into Mid-South Soybean Production Systems  |
| Organization:  | Mississippi State University |
| Principal Investigator Name: | Dr. John Orlowski |
| Report Period: | October-December 2017 |
| Project Status: Ongoing |
| **Mississippi****Stoneville**Corn, soybean, and grain sorghum plots were harvested and all burn-treatments were burned. Soil nutrient and nematode samples were taken. Wheat was planted for rotation 11, one of the double crop rotations. Yield and economic data from this project was presented as an oral presentation at the American Society of Agronomy annual meeting in Tampa, FL in November, while the soil data was presented in a poster. Both presentations were well received. Data from all of the cooperators is being collected and verified and we expect to receive input data from cooperators before the end of the year so we will begin the process of updating the economic analyses for 2017. Soils nematode samples have been sent to the MSU lab and soil nutrient samples are being packaged for transport for LSU for nutrient analyses. **Brooksville**On October 4, 2017 all soybeans plots were harvested in the study.  On October 18, 2017 all soil, nematode and residue samples were collected.  Also on this date, plots were to be burned were burned.  Wheat plots were planted on November 13, 2017. **Louisiana**All soil nutrient and nematode samples have been collected and delivered. Residue management treatments have been implemented and field has been conducted. Wheat was planted on November 7 and emerged November 15. A postemergence herbicide application will be applied December 1. **Missouri**In this quarter, corn, soybean, and grain sorghum rotational plots were harvested at University of Missouri- Fisher Delta Research Center.  Corn residue was burned according to the field plan and wheat plots were planted.  Nematode soil samples were collected from plots. **Texas**Corn, soybeans, and grain sorghum were all harvested and yield data sent to MSU. Plots were burned and soil nutrient and nematode samples were taken. Wheat was planted for the double crop treatments. Input data will be sent to MSU as soon as possible. **Arkansas**All plots are harvested.  Soils sample and nematode samples have been pulled and will be delivered this week.  Wheat was planted the end of October, and adequate stands were obtained even with very dry conditions. |