

## SPAR :: Field and Landscape

Field experiments are being conducted to optimize production practices in major crops such as cotton, soybean etc. We also test and validate crop models for their accuracy in predicting crop responses to weather and management practices. We apply systems theory to complex agro-ecosystem problems. We use remote sensing; global climate models and crop simulation models to study various aspects of climate change such as improving crop management and assisting decision making process, predicting the consequences of climate change on crop production, and suggest alternative management and breeding strategies to cope with climate change.

