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**Project ID: FY12-SW-006**

**ARS Agreement #: 59-0206-9-082**

**Research Category: VDHR-SWW**

**Duration of Award: 1 Year**

**Project Title: Developing FHB-Resistant Wheat Varieties for the Midsouth.**

**PROJECT 3 ABSTRACT**

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The Arkansas wheat breeding and pathology programs are working together to incorporate FHB resistance from diverse, reasonably-adapted sources into adapted lines with high yield potential and resistance to other important diseases and are collaborating with other breeding programs in the southern region to evaluate breeding lines and mapping populations for FHB resistance and other important traits. A graduate student is conducting research to determine the effects of late-season rainfall events on DON accumulation in order to improve selection for wheat lines with low levels of DON.