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ARS Agreement #: 59-0206-6-015

Research Category: MGMT

Duration of Award: 1 Year

Project Title: Integrated Management of Fusarium Head Blight in Kansas

PROJECT 4 ABSTRACT

(1 Page Limit)

This project will establish integrated management studies for Fusarium head blight (FHB) in Kansas. The proposed work includes field trials at two locations in the state with a history of problems with FHB. At each location, the experiments will include three varieties planted in a replicated complete block design with a split-plot arrangement. Wheat variety will be the whole plot and 6 fungicide applications will be the sub-plots. Treatments include control plots and the fungicides Prosaro®, Miravis Ace® applied at rates recommended and timings recommended by the MGMT-CP. The trial will be replicated 5 times at each location and weather data collected on site. The plots will be rated for disease incidence and severity during the soft dough stage of development. Grain will be harvested to calculate yield and test weight. Sub samples of the grain will be collected to assess the percentage of Fusarium damaged kernels and DON. The data resulting from the field trials will be used in local reports for Kansas Stakeholders and shared with project cooperators at OSU for combined analysis.