

PI: Carl Bradley

PI's E-mail: carlbrad@illinois.edu

Project ID: FY12-IM-007

ARS Agreement #: 59-0206-9-076

Research Category: MGMT

Duration of Award: 1 Year

Project Title: Integrated Management Strategies for Scab in Illinois.

PROJECT 1 ABSTRACT

(1 Page Limit)

Several management tools for Fusarium head blight (FHB) of wheat are available to growers, and include fungicides and moderately-resistant cultivars. Ideally, when these practices are integrated, losses from FHB will be reduced compared to using only one of the management practices.

The objectives of the proposed study are: 1) demonstrate that integrated management is the most effective and economical means of reducing losses to FHB/DON; and 2) increase grower adoption of integrated strategies to control FHB.

Trials will be conducted at three locations at university research farms in Illinois (Urbana, Dixon Springs, and Monmouth). The effects of fungicide and wheat cultivar (cultivars ranging in susceptibility to FHB) will be evaluated for their effects on FHB and deoxynivalenol (DON) levels in harvested grain in *F. graminearum*-inoculated and non-inoculated areas.