

PI: Scott Halley

PI's E-mail: shalley@ndsuent.nodak.edu

Project ID: 0405-MC-115

FY03 ARS Agreement #: 59-0790-3-079

Research Area: CBC

Duration of Award: 1 Year

Project Title: Integrated Project - Ground and Aerial Application of Fungicides for Improved FHB Control.

PROJECT 1 ABSTRACT

(1 Page Limit)

Aerial application parameters will be documented in conjunction with fungicide application for FHB control and correlated with disease reduction on HRSW. This is a beginning step on aerial application evaluation for FHB control.

The commercial ground application study will provide addition baseline standards for several of the application technologies currently being used for FHB control. This trial will also provide an opportunity to interact with the manufacturing sector and will expand on studies conducted in 2003 at LREC.

The other research will evaluate several application parameters, spray droplet size, nozzle orientation, and height above the canopy that can be easily adjusted or modified by applicator that may improve fungicide control of FHB and are currently available on much of the commercial equipment. Assessments will also determine fungicide rates of JAU 6476 necessary for future evaluation on barley.