

PI: Gary Van Ee

PI's E-mail: vanee@egr.msu.edu

Project ID: 0506-VA-025

FY04 ARS Agreement #: 59-0790-4-126

Research Area: CBC

Duration of Award: 1 Year

Project Title: Control Wheat Scab with Improved Fungicide Application Technology.

PROJECT 1 ABSTRACT

(1 Page Limit)

2005 applications studies will be a continuation of the 2004 field experiments at Landon Research and Extension Station to evaluate several application parameters: spray droplet size, nozzle orientation, application spray volume and height above the canopy. These are the parameters that can be easily adjusted or modified by either a typical grower/operator or commercial applicator with the goal of enhancing deposition efficiency on the wheat heads and result in improved fungicide control of FHB using standard commercial equipment currently available. Assessments will also determine fungicide rates of JAU 6476 necessary for future evaluation on barley.

I will spend two to three weeks near Langdon, ND assisting the chemical application research team (specifically the research teams of Scott Halley and Vern Hoffman) apply plant protectants on wheat and barley.

I will assist Scot Halley in interpreting the data.

I will supply one research field sprayer that has both a standard nozzle boom and an air assist (Proptec) chemical application system.

I will attend and report at the annual wheat scab meeting.