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FY09 ARS Agreement #: 59-0206-9-053

Research Category: MGMT

Duration of Award: 1 Year

Project Title: Management of Fusarium Head Blight of Wheat in Maryland - Uniform Fungicide Uniform Fungicide Trial Component.

PROJECT 1 ABSTRACT

(1 Page Limit)

This project will examine the effectiveness of an agreed standard set of fungicides on suppression of Fusarium head blight disease, and on accumulation of the disease-associated mycotoxin, deoxynivalenol (DON), in various environments and wheat classes. The Maryland trials are being conducted on soft red winter wheat in the Eastern / mid-Atlantic production region. In addition to the uniform fungicide trial standard set of treatments this project includes: the examination of the effect of fungicide applications made earlier in the season for management of other diseases on DON and will also examine the effect applications of recommended products made close to but not at the optimum application date. These additional treatments are needed to quantify and demonstrate affects of common practices and commercial application scheduling conflicts or unfavorable weather on disease and DON accumulation in soft red winter wheat.