

0203-LI-008 Uniform fungicide trial in Ohio to identify products effective against Fusarium head blight.

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PROJECT ABSTRACT

(1 Page Limit)

Wheat growers and millers in Ohio are interested in finding fungicides effective for controlling Fusarium head blight (FHB). Epidemics in Ohio have caused millions of dollars of losses over the last decade. Few fungicides are labeled for control of FHB. More information is needed on experimental and labeled materials to use them effectively and to provide data necessary for their registration. Additionally, biological control agents appear to have activity and emphasis should be given to testing these products as well as chemicals. The research plan for 2002-2003 is to participate in the Uniform Fungicide Testing program established by the U. S. Wheat and Barley Fusarium Scab Initiative (USWBFSI). Various fungicides and biological control agents will be evaluated for efficacy against FHB according to protocols developed by the USWBFSI Chemical and Biological Control Research Committee in replicated trials in Ohio. Weather conditions during the critical period of pre- and post-flowering will be monitored at several locations in the state and data will be incorporated into FHB risk assessment models to help predict the risk of a scab epidemic. This information will be placed on the Ohio State University Extension Field Crop Disease web page on a daily basis with information on recommended fungicide application. Information of performance and product efficacy will be available to Ohio wheat growers through the Ohio State University Extension Crop Observation and Recommendation Network (CORN) and on the Ohio State University Extension Field Crop Disease web site. Data obtained from Ohio will be sent to the coordinators of the Chemical and Biological Control to be incorporated into the database for materials being tested for efficacy against FHB.