

**U.S. Wheat and Barley Scab Initiative
 FY02 Final Performance Report (approx. May 02 – April 03)
 July 15, 2003**

Cover Page

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| Year: | FY2002 (approx. May 02– April 03) |
| Grant Number: | 59-0790-9-075 |
| Grant Title: | Fusarium Head Blight Research |
| FY02 ARS Award Amount: | \$ 75,649 |

Project

| Program Area | Project Title | USWBSI Recommended Amount |
|---------------------|---------------------------------|----------------------------------|
| FSTU | Diagnostic Services for DON. | \$77,540 |
| | Total Amount Recommended | \$77,540 |

 Principal Investigator

 Date

Project 1: Diagnostic Services for DON.

1. What major problem or issue is being resolved and how are you resolving it?

The objective of this project is to provide mycotoxin analysis services, especially for deoxynivalenol (DON), for Fusarium Head Blight (scab) research projects conducted mainly in Minnesota, including projects from several departments and experiment stations of the University of Minnesota and the USDA Cereal Disease Laboratory.

From 05/01/2002 to 04/30/2003, the project analyzed 9,593 samples submitted by 9 scab research projects for DON and other related mycotoxins including 15-ADON, 3-ADON and nivalenol. Sample types included bulk wheat and barley as well as single head, single spikelet, single kernel and small plant fragment.

2. What were the most significant accomplishments?

Analyzed 9,593 samples submitted by 9 scab research projects from 3 states.

Include below a list of the publications, presentations, peer-reviewed articles, and non-peer reviewed articles written about your work that resulted from all of the projects included in the grant. Please reference each item using an accepted journal format. If you need more space, continue the list on the next page.