U.S. Wheat and Barley Scab Initiative
FY00 Final Performance Report (approx. May 00 – April 01)

July 30, 2001

Cover Page

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Year:	**FY2000 (approx. May 00 – April 01)**
Grant Number:	**59-0790-9-075**
Grant Title:	**Fusarium Head Blight Research**
2000 ARS Award Amount:	**$39,024**

Project

Program Area	Project Title	Requested Amount
Food Safety, Toxicology, Utilization	Diagnostic services for DON.	$30,000.00
	Requested Total	$30,000.00[1]

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Principal Investigator Date

[1] Note: The Requested Total and the Award Amount are not equal.

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 in FY2000 was 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.

In the FY2000 (from May 1, 2000 to April 30, 20001), the project analyzed a total of 7,689 samples for DON and other mycotoxins including 15Ac-DON, 3Ac-DON, nivalenol and fusarenon-x. The 7,689 samples included 2,453 bulk (10 – 100 grams) barley samples and 1,244 bulk wheat samples. Other samples included single heads, single kernels, single spikelets, leaf segments and other plant materials as well as fungal culture materials. The samples were submitted by 12 scab principal investigators. Among those samples, 6,716 were from projects conducted in Minnesota.

2. What were the most significant accomplishments?

Analyzed 7,689 scab samples—over 2,000 samples more than last fiscal year.

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.

None.