

**U.S. Wheat and Barley Scab Initiative  
 FY01 Final Performance Report (approx. May 01 – April 02)  
 July 15, 2002**

**Cover Page**

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<b>Year:</b>	<b>FY2001 (approx. May 01 – April 02)</b>
<b>Grant Number:</b>	<b>59-0790-9-030</b>
<b>Grant Title:</b>	<b>Fusarium Head Blight Research</b>
<b>FY01 ARS Award Amount:</b>	<b>\$ 71,550</b>

**Project**

<b>Program Area</b>	<b>Project Title</b>	<b>Requested Amount</b>
FSTU	Diagnostic Services for Vomitoxin (DON) in Wheat	\$ 73,500
	<b>Total Amount Requested</b>	<b>\$ 73,500</b>

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 Principal Investigator

\_\_\_\_\_  
 Date

**Project 1: Diagnostic Services for Vomitoxin (DON) in Wheat**

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

Fusarium Head Blight or ‘scab’ is a significant fungal disease of wheat and barley. A toxin, vomitoxin or deoxynivalenol (DON), produced by the fungus can make wheat and barley unacceptable for processing in foods or feed. A major focus of the U.W. Wheat & Barley Scab Initiative is developing and managing systems to reduce the scab infection. This grant was to provide vomitoxin analysis of samples submitted by scientists involved in wheat and barley breeding.

2. What were the most significant accomplishments?

The laboratory completed vomitoxin analysis on approximately 4000 ( $n=3917$ ) ground feed samples. The samples were submitted from scientists in six states, including North Dakota, South Dakota, Minnesota, Iowa, Missouri, and Arkansas. The laboratory also coordinated the check sample system to compare data from the vomitoxin laboratories in Michigan, North Dakota, Minnesota, and New York.

No additional broad-spectrum (15 mycotoxins) GC/MS screens were requested by scientists this year.

FY01 (approx. May 01 – April 02)

PI: Berryhill, David

Grant: 59-0790-9-030

FY01 Final Performance Report

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.

There were no publications or presentations developed from this grant.