

**U.S. Wheat and Barley Scab Initiative
Annual Progress Report
September 15, 1999**

Cover Page

PI:	Lloyd Bullerman
Institution:	University of Nebraska
Address:	Dept. of Food Science 349 Food Industry Bldg. Lincoln, NE 68583
Email:	lbullerman1@unl.edu
Phone:	402-472-2801
Fax:	402-472-1693
Year:	FY1999
Grant Number:	59-0790-9-077
Grant Title:	Fusarium Head Blight Research
Amount Granted:	\$16,260.00¹

Project

Program Area	Objective	Requested Amount
Food Safety, Toxicology, Utilization	Investigate utilization of contaminated grain.	\$16,666
	Requested Total	\$16,666

Principle Investigator

Date

¹ Note: The Requested Total and the Amount Granted are not equal.

Project 1: Investigate utilization of contaminated grain.

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

The major problem that is being addressed in this work is to increase utilization and salvage value of scab infested wheat contaminated with deoxynivalenol. This problem is being resolved by finding ways to detoxify the grain. Our approach is to use extrusion cooking as a means of lowering deoxynivalenol concentrations in extruded foods and animal feeds.

2. Please provide a comparison of the actual accomplishments with the objectives established.

The funding has only become available in the last couple of months. In that time a M.S. level graduate student was recruited and started work on the project (8/1/99). The literature is being reviewed, experimental parameters are being evaluated and established and experimental designs are being set. Actual extrusion experiments will be initiated in late 1999 and early 2000.

3. What were the reasons established objectives were not met? If applicable.

The funding did not become available to the project until about 8/1/99. However, progress on the objectives is being made.

4. What were the most significant accomplishments this past year?

Recruitment of a graduate student to work on the project and development of preliminary experimental designs.

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Progress 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.

No publications have been generated to date, the work has just gotten started.