

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

Cover Page

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Year:	FY1999
Grant Number:	59-0790-9-046
Grant Title:	Fusarium Head Blight Research
Amount Granted:	\$14,634.00

Project

Program Area	Objective	Requested Amount
Variety Development	Accelerate development of resistant varieties.	\$15,000
	Requested Total	\$15,000¹

Principle Investigator

Date

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

Project 1: Accelerate development of resistant varieties.

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

Currently, resistance sources for wheat scab or Fusarium head blight are in material (Chinese lines) which is not adapted to the Southeastern U.S. for yield potential or milling and baking quality. We have made crosses of varieties and lines adapted to the Southeast with the Chinese lines. These lines are being backcrossed as well as advanced to the next generation in both a summer nursery and greenhouse.

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

A protocol for screening lines to scab in the lower Southeast was initiated to evaluate the possibility of screening materials in the field under artificial inoculum. We were able to evaluate material in the field. We have also made several single and three way crosses with resistant sources which will be advanced this fall.

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

Not Applicable

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

The most significant accomplishment was that evaluation of material could be successfully conducted in the lower Southeast under warm climatic conditions. This could facilitate the early screening of material during the year from the mid-western states.

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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 publication to report at this time.