

**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>59-0790-9-066</b>
<b>Grant Title:</b>	<b>Fusarium Head Blight Research</b>
<b>FY01 ARS Award Amount:</b>	<b>\$ 14,602</b>

**Project**

<b>Program Area</b>	<b>Project Title</b>	<b>Requested Amount</b>
Variety/Uniform	Fusarium Head Blight Resistant Wheat Variety Development - Cornell	\$ 15,000
	<b>Total Amount Requested</b>	<b>\$ 15,000</b>

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Principal Investigator

Date

**Project 1: Fusarium Head Blight Resistant Wheat Variety Development - Cornell**

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

Consistency of evaluation of lines is an on-going problem. We had an excellent FHB evaluation nursery in 2000 year. This year, infection rates were much better than last year but lodging was a problem. Previously we thought poor infection was due to the extremely dry weather; however, it seems other factors are involved. Consistency of the evaluation in different environments is clearly a problem that needs work. We adjusted the amount of water this year so that it was not too wet or too dry but infection rates could be higher. More rapid screening and evaluation methods are greatly needed.

2. What were the most significant accomplishments?

We have accumulated quite a few new sources of germplasm from the other cooperating programs and these have been crossed to locally adapted lines and varieties. We have expanded the size of our irrigation system to accommodate more breeding lines and populations.

FY01 (approx. May 01 – April 02)

PI: Sorrells, Mark E.

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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.

None