

**USDA-ARS / USWBSI**  
**FY03 Final Performance Report (approx. May 03 – April 04)**  
**July 15, 2004**

**Cover Page**

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<b>Year:</b>	<b>FY2003 (approx. May 03 – April 04)</b>
<b>FY03 ARS Agreement ID:</b>	<b>NA</b>
<b>FY03 ARS Agreement Title:</b>	<b>Improving research results by increasing information hosted on the Initiative's website.</b>
<b>FY03 ARS Award Amount:</b>	<b>\$ 29,268</b>

**USWBSI Individual Project(s)**

<b>USWBSI Research Area *</b>	<b>Project Title</b>	<b>ARS Adjusted Award Amount</b>
EC/HQ	Improving research results by increasing information hosted on the Initiative's website.	\$ 29,268
	<b>Total Amount Recommended</b>	<b>\$ 29,268</b>

*Olin D. Anderson*

Principal Investigator

Date

\* BIO – Biotechnology  
 CBC – Chemical & Biological Control  
 EDM – Epidemiology & Disease Management  
 FSTU – Food Safety, Toxicology, & Utilization  
 GIE – Germplasm Introduction & Enhancement  
 VDUN – Variety Development & Uniform Nurseries

**Project 1: *Improving research results by increasing information hosted on the Initiative's website.*****1. What major problem or issue is being resolved and how are you resolving it?**

To make the most efficient use of Initiative resources, it is important for Initiative members to have access to current information regarding the Initiative. The Initiative's website ([www.scabusa.org](http://www.scabusa.org)) provides this information, including but not limited to research areas, news, annual forums, literature, and useful links. The site also includes a web-accessible database (the USWBSI database) which simplifies the process of querying and downloading the information.

The Initiative's web site is continuously update and maintained. The appearance, organization, and content of the site has improved significantly. In addition, the USWBSI database is being improved and expanded. The web site and database will hopefully be expanded to include information on the Initiative's research efforts, such as methods, results, and publications.

**2. What were the most significant accomplishments?**

Additional improvements and optimizations have been made to the existing public and administrative applications of the USWBSI database. Additional applications providing enhanced functionality have been developed as needed.

Additional database applications have been developed to facilitate and administer online registration, poster/paper submission, and ordering of forum proceedings for the 2nd International Symposium on Fusarium Head Blight. Credit card payment information is now automatically updated on the USWBSI server via remote updating from the Michigan State University WebCredit system.

The Debian GNU/Linux operating system and server software (HTTP, SMTP, POP, SSH, etc.) on the USWBSI server are continuously being monitored for security-related patches and updates, which are installed in a timely manner. This is to maintain compliance with best practices as well as strict USDA/ARS computer security guidelines. Periodic remote backups are made of all critical Initiative data housed on the server. Utilities have been developed to facilitate and automate these backups.

General improvements have been made to the appearance, organization, and content of the web site. Deprecated HTML code is slowly being replaced with more standards-compliant code to ensure maximum compatibility across all client browsers and platforms.

**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 you grant. Please reference each item using an accepted journal format. If you need more space, continue the list on the next page.**

Poster Abstract:

Hummel, D., Canty, S., Matthews, D., Lazo, G., Carollo, V., Anderson, O. and Ward, R. 2003.  
“The U.S. Wheat and Barley Scab Initiative Web Site.” In: Canty, S.M., Lewis, J. and Ward, R.W. (Eds.), Proceedings of the National Fusarium Head Blight Forum; 2003, Dec 13-15; Bloomington, MN. East Lansing: Michigan State University, p. 304.