

**USDA-ARS/  
U.S. Wheat and Barley Scab Initiative  
FY06 Final Performance Report (approx. May 06 – April 07)  
July 16, 2007**

**Cover Page**

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<b>Fiscal Year:</b>	<b>2005</b>
<b>FY05 ARS Agreement ID:</b>	<b>NA</b>
<b>Agreement Title:</b>	<b>U.S. Wheat &amp; Barley Scab Initiative's Networking and Facilitation Office and Website.</b>
<b>FY05 ARS Award Amount:</b>	<b>\$ 30,000</b>

**USWBSI Individual Project(s)**

<b>USWBSI Research Area*</b>	<b>Project Title</b>	<b>ARS Adjusted Award Amount</b>
EC/HQ	U.S. Wheat & Barley Scab Initiative's Networking and Facilitation Office and Website.	\$ 30,000
	<b>Total Award Amount</b>	<b>\$ 30,000</b>

*Olin D. Anderson*

7-14-07

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

(Form – FPR06)

**Project 1:** *U.S. Wheat & Barley Scab Initiative's Networking and Facilitation Office and Website.***What major problem or issue is being resolved and how are you resolving it?**

A suite of online services is maintained by the U.S. Wheat & Barley Scab Initiative. These community accessible services are provided through the USWBSI website in order to provide a familiar, easy to use, web browser based interface. These services include community mailing lists, online calendars, weblogs, and discussion boards. In addition to these services a web-accessible database (the USWBSI database) is maintained to provide for querying and downloading of information. The website also provides, through standard web pages, a variety of more traditional information including but not limited to research areas, news, annual forums, literature, and useful links.

It is the Initiative's goal to improve the website when possible to provide a better user interface, more features/services, and improve reliability.

**List the most important accomplishment and its impact (how is it being used?).  
Complete all three sections (repeat sections for each major accomplishment):****Accomplishment (1):** Electronic Proposal Submission System

**Impact (1):** The new Electronic Proposal Submission system (EPS) is intended to streamline the traditional submission system by using modern technology. In order to speed the development process the software package "E-Groupware" was chosen as the basis for the EPS system. This allowed the developer to focus on USWBSI specific features instead of designing the whole system from scratch. E-Groupware also contained an appropriate Document Management System (DMS) that was determined to be a very close match to the features proposed for the EPS system. Additional USWBSI specific features include a repository of all of the blank forms required, special file locking features to prevent further editing, a project locking mechanism to enter the project into it's "final" form when all of the submission requirements have been met, special links to edit forms online in real time, and an online document viewing option allowing forms to be reviewed without being downloaded.

The EPS system was released to a limited number of users and projects for real world testing and to get user feedback. It was felt that user feedback was vital to the success of the EPS due to the wide range of computer literacy of potential users. Feedback was mostly positive with some very good suggestions that will be included in the latest version of the EPS to be released in FY07. The newest version of the EPS will also include an even more streamlined process and a more intuitive user interface.

**As a result of that accomplishment, what does your particular clientele, the scientific community, and agriculture as a whole have now that they didn't have before? (1):**

PI: Anderson, Olin

ARS Agreement #: NA

The new Electronic Proposal Submission system (EPS) is intended to streamline the traditional submission system by using modern technology. The system allows for users to perform all functions related to proposal submission and review to be preformed electronically. This has several important benefits over the old system:

1. Convenience - proposal submission and review can be performed from anywhere users have web access, 24 hours a day 7 days a week.
2. Speed - submissions are instantaneous as opposed to mailing the required documentation.
3. Ease of Use - instructions for filling out the required forms, contact information, and instructions for proposal submissions are all immediately accessible through links on the EPS web pages. The system was also designed with the intention of making it as easy to use as possible.
4. Environment - as it is an electronic solution it eliminates all paperwork normally associated with submission and review of proposals.

**Accomplishment (2):** Improved Forum Proceedings ordering system

**Impact (2):** The proceedings purchasing software developed in house was improved to allow proceedings to be purchased for multiple years.

**As a result of that accomplishment, what does your particular clientele, the scientific community, and agriculture as a whole have now that they didn't have before? (2):**

The original version allowed only 1 year's proceeding to be purchased at a time. This meant customers purchasing multiple years would have to fill out multiple orders. Now any type of proceedings order can be completed in one purchase.

**Accomplishment (3):** Converted the old MSU based credit card payment system to a new one named SkipJack that is associated with the University of Kentucky.

**Impact (3):** Funds can now be more easily disbursed to the University of Kentucky for all payments made via Credit Card. Additional features were added to the software as well since this conversion required significant redevelopment of all ordering software.

**As a result of that accomplishment, what does your particular clientele, the scientific community, and agriculture as a whole have now that they didn't have before? (3):**

This accomplishment allowed for the software developer to include new features into the purchasing software. These features include better order notifications and receipts for purchasers, improved logging for developers in the event that errors are produced during ordering, and an improved interface for customers making purchases.

SkipJack is also better integrated with University of Kentucky making funds from purchases easier to transfer to University of Kentucky.

**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.**

**Forum Proceedings:**

Canty, S., T. Boring, J. Wardwell, L. Siler, and R. Ward (Eds.). 2006. Proceedings from the 2006 National Fusarium Head Blight Forum, Durham, North Carolina; December 10-12. Michigan State University, East Lansing, MI. Proceedings are available in PDF format on the USWBSI's Website (<http://www.scabusa.org/forum.html#forum06>).

David Hane, Susan Canty, David Hummel, David Matthews, Gerard Lazo, Victoria Carollo, Richard Ward, Olin Anderson, and David Van Sanford. The U.S. Wheat and Barley Scab Initiative Web Site. (Poster) 2006 National Fusarium Head Blight Forum, Durham, North Carolina; December 10-12. Available in PDF format on the USWBSI's Website ([http://scabusa.org/pdfs/forum06\\_proc\\_other.pdf](http://scabusa.org/pdfs/forum06_proc_other.pdf)).