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Fiscal Year: 2009  
USDA-ARS Agreement ID: 59-0790-6-056  
USDA-ARS Agreement Title: U.S. Wheat and Barley Scab Initiative's Networking and Facilitation Office and Website.  
FY09- USDA-ARS Award Amount: $131,300  

<table>
<thead>
<tr>
<th>USWBSI Research Category*</th>
<th>Project Title</th>
<th>ARS Adjusted Award Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>EC-HQ</td>
<td>USWBSI's Networking and Facilitation Office, and Website.</td>
<td>$131,300</td>
</tr>
<tr>
<td></td>
<td><strong>Total Award Amount</strong></td>
<td><strong>$131,300</strong></td>
</tr>
</tbody>
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7-15-10  
Principal Investigator  
Date

* MGMT – FHB Management  
  FSTU – Food Safety, Toxicology, & Utilization of Mycotoxin-contaminated Grain  
  GDER – Gene Discovery & Engineering Resistance  
  PBG – Pathogen Biology & Genetics  
  BAR-CP – Barley Coordinated Project  
  DUR-CP – Durum Coordinated Project  
  HWW-CP – Hard Winter Wheat Coordinated Project  
  VDHR – Variety Development & Uniform Nurseries – Sub categories are below:  
    SPR – Spring Wheat Region  
    NWW – Northern Winter Wheat Region  
    SWW – Southern Sinter Wheat Region
Project 1: USWBSI's Networking and Facilitation Office, and Website.

1. What major problem or issue is being resolved relevant to Fusarium head blight (scab) and how are you resolving it?

Scab affects the industries and people involved in virtually every stage of the production, processing, and distribution systems of five market classes of wheat and barley across the U.S. The Networking and Facilitation Office (NFO) has been in existence since 1999. The goal of the NFO is to minimize the barriers to the success of the U.S. Wheat & Barley Scab Initiative arising from the administrative burdens and communication challenges. In FY09, there were 79 researchers working in 27 institutions (including ARS, CIMMYT and ICARDA) across 26 states, Mexico and Syria. The NFO is addressing this problem by 1) helping scientists and all interested parties, who in the past may have problems communicating with each other, to learn from each other by facilitating communications and communication system development; 2) identifying and implementing an internet-based communication and collaboration mechanisms; and 3) acting as a center of accountability and a rapid clearing house of scab-related information. The NFO provides administrative support to the various committees, as well as being responsible for the organization of the Initiative’s annual scientific conference. Finally, the NFO facilitates the annual resolution of a comprehensive national research plan and budget, and represents the Initiative’s only ‘fixed’ asset.

This project is directly associated with the following two FY09 Projects:

<table>
<thead>
<tr>
<th>Project Title – Project ID</th>
<th>Principal Investigator</th>
<th>ARS ID/Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maintain and Improve the U.S. Wheat &amp; Barley Scab Initiative's Website - FY09-VA-017</td>
<td>Anderson, Olin</td>
<td>NA/USDA-ARS</td>
</tr>
<tr>
<td>Hosting the Manager of the USWBSI's Networking and Facilitation Office - FY09-VA-017</td>
<td>Kells, James</td>
<td>59-0206-9-057/Michigan State University</td>
</tr>
</tbody>
</table>

2. List the most important accomplishment and its impact (i.e. how is it being used) to minimize the threat of Fusarium head blight or to reduce mycotoxins. Complete both sections (repeat sections for each major accomplishment):

**Accomplishment (1):** One of the NFO's most important accomplishments was the successful facilitation of the development of the USWBSI’s FY10 Research Plan and Budget, which was approved by USDA-ARS in February. See attached table (1) which includes meetings, conference calls, etc. facilitated by the NFO that led to the development of the FY10 Research Plan and Budget.

**Impact (1):** One-hundred and forty-four research projects across five research areas (FHB Management, Food Safety, Toxicology and Utilization of Mycotoxin-contaminated Grain, Gene Discovery and Engineering Resistance, and Variety Development and Host Resistance (organized around three regional FHB nurseries)) , three commodity-based coordinated projects (Barley, Durum and Hard Winter Wheat), and the USWBSI Headquarters (Office
and Website), received funding in the amount of $4,927,452 to continue the fight against FHB.

**Table 1.** Summary of Meetings, Conference Calls and Workshops facilitated by the Networking & Facilitation Office (NFO) during FY09.

<table>
<thead>
<tr>
<th>Committee</th>
<th># of Meetings/Conference Call (CC)</th>
<th>Description/Purpose of Meeting</th>
</tr>
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</table>
| Steering Committee (SC)                        | 2 Meetings                         | 5-28-09: Semi-Annual Meeting  
12-9-09: Semi-Annual Meeting – Review FY10 Research Plan and Budget  
Meetings:  
5-27-09: Prep-meeting prior to the SC’s meeting on 4-18-09  
12-6-09: EC met with review panels to discuss their recommendations;  
12-7-09: EC discusses recommendations from review panels, etc. for FY10 Research Plan and Budget.  
12-8-09: EC finalizes recommendation on FY10 Research Plan and Budget.  
12-9-09: follow-up of Annual Forum and USWBSI’s recommendation for FY10 Research Plan and Budget.  
7-17-09: Conference Call: Discuss USWBSI Business – Fy10 Research Plan and Budget, setting of Working Caps, and program for Annual Forum. |
| Executive Committee (EC)                       | 5 Meetings                         | Coordinated Project Committees – Discuss Letters of Intent and/or proposed research projects submitted to CP.                                                                                                                   |
| Coordinated Project Committees (CPC) and Review Panels (RP) | CPC – 6CC                          | Review Panels (1 total) - Discuss FY10 Funding Recommendations                                                                                                                                                               |
|                                                 | RP – 1CC                           |                                                                                                                                                                                                                                  |
| Research-based Planning Meetings and Conference Calls | 4 Workshops/Planning Meetings      | 5-4-09 – Hard Winter Wheat Coordinated Project Planning Meeting, Manhattan, KS  
5-8-09 – VDHR-Spring Wheat Region Coordinated Project Planning Meeting, Fargo, ND  
5-27-09 – Barley Coordinated Project Planning Meeting, Fort Collins, CO  
March 24-25, 2010 – Meeting on improving USWBSI’s communication with growers/stakeholders, Nashville, MN (5 individuals participated via conference call)  
7-2-09 – VDHR Northern Winter Wheat Coordinated Project: Cooperators discuss research objectives/priorities for Fy10.  
3-29-10 – Conference call with contacts for submitting commentary to the FHB forecasting tool regarding pushing info out to growers.  
4-7-10 – USWBSI-NFO (Sue Canty and Dave Hane) and Curators of FHB Forecasting Tool (Erick DeWolf and Steve Crawford) discuss details for pushing commentary out to growers/stakeholders via e-mail, blog posts and text messages to cell phones (SMS).  
2-22-10: Conference call with VDHR – soft winter wheat nursery coordinators concerning hiring someone to standardized data for the breeder database. |
| Development of Breeder Database                | CC                                 |                                                                                                                                                                                                                                  |
Accomplishment (2): In December of 2009, the NFO working with the Forum Organizing Committee facilitated the USWBSI’s annual scientific Forum, which was held in Indianapolis, IN. Over 190 crop scientists (including research associates, research technicians and graduate students), growers, and industry representatives from across the nation and around the world, as well as area leaders of the U.S. wheat and barley industry, attended the 2009 National FHB Forum. Research results and findings were presented to the forum participants in the form of invited talks (19), and poster (100) presentations accompanied by abstracts or papers published in the Forum proceedings. One afternoon was devoted to group discussions designed around the USWBSI’s five research areas and three commodity-based coordinated projects reviewing their section of the USWBSI’s Action Plan.

Impact (2): The annual Forum is the primary mechanism whereby USWBSI scientists and stakeholders come together to discuss both the progress being made, as well as problems that interfere, with the successful combat against this devastating disease.

Accomplishment (3): Developed an FHB Alert system that is link to the FHB Forecasting Tool (http://www.wheatscab.psu.edu/riskTool_2010.html). Commentary posted to the forecasting tool by state specialist is sent out to regional/national based list serves, posted on the USWBSI’s blog site (http://scabusa.org/modules/wordpress/), and sent as text messages (SMS) to cell phones. Producers, crop consultants, grain processors and others can sign up for the alerts by going to the following web site address: http://scabusa.org/fhb_alert.php.

Impact (3): The purpose of the alert system is to give growers and affiliated industry personnel better advanced notice of potential outbreaks and the risk of scab in their area, thus allowing for timely treatment of fields with fungicides.
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:**


Proceedings are available in PDF format on the USWBSI’s Website at: [http://www.scabusa.org/forum.html#forum09](http://www.scabusa.org/forum.html#forum09)

**Non-Peer Reviewed:**


**USWBSI Newsletters:**


All Newsletters are available in PDF format on the USWBSI’s Website ([http://www.scabusa.org/news.html#newsletters](http://www.scabusa.org/news.html#newsletters)).

**Press Releases:**

9-24-09 News Release: One-Stop Scab Management Website Now Operational
06-12-09 News Release: Midwest Scab a 'Good News, Bad News' Scenario.

All Press Releases are available in PDF format on the USWBSI’s Website ([http://scabusa.org/news.html#press_rel](http://scabusa.org/news.html#press_rel)).