

**USDA-ARS/  
U.S. Wheat and Barley Scab Initiative  
FY21 Final Performance Progress Report  
Due date: December 30, 2021**

**Cover Page**

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<b>Fiscal Year:</b>	2021
<b>USDA-ARS Agreement ID:</b>	59-0206-8-215
<b>USDA-ARS Agreement Title:</b>	Hosting the Director of Operations of the USWBSI's Networking and Facilitation Office
<b>FY21 USDA-ARS Award Amount:</b>	\$ 23,479
<b>Recipient Organization:</b>	Michigan State University Contract & Grant Administration Hannah Administration Building, Room 2 East Lansing, MI 48824-1046
<b>DUNS Number:</b>	193247145
<b>EIN:</b>	38-6005984
<b>Recipient Identifying Number or Account Number:</b>	RC109075
<b>Project/Grant Reporting Period:</b>	04/22/21-09/30/21
<b>Reporting Period End Date:</b>	9/30/21

**USWBSI Individual Project(s)**

<b>USWBSI Research Category*</b>	<b>Project Title</b>	<b>ARS Award Amount</b>
EC-HQ	US Wheat & Barley Scab Initiative's Networking & Facilitation Office and Website	\$ 23,479
<b>FY21 Total ARS Award Amount</b>		<b>\$ 23,479</b>



12/15/21

Principal Investigator

Date

\* MGMT – FHB Management  
 FST – Food Safety & Toxicology  
 R – Research  
 S – Service (DON Testing Lab)  
 GDER – Gene Discovery & Engineering Resistance  
 PBG – Pathogen Biology & Genetics  
 EC-HQ – Executive Committee-Headquarters  
 BAR-CP – Barley Coordinated Project  
 DUR-CP – Durum Coordinated Project  
 HWW-CP – Hard Winter Wheat Coordinated Project  
 TSCI – Transformational Science  
 VDHR – Variety Development & Uniform Nurseries – Sub categories are below:  
 SPR – Spring Wheat Region  
 NWW – Northern Soft Winter Wheat Region  
 SWW – Southern Soft Red Winter Wheat Region

**Project 1: US Wheat & Barley Scab Initiative's Networking & Facilitation Office and Website**

**1. What are the major goals and objectives of the research project?**

The objectives of the NFO are to:

- 1) Maintain and enhance the Resource Management/Accountability Center;
- 2) Facilitate and enhance communication within the Initiative and with its stakeholders;
- 3) Administer the process of developing the Initiative's annual recommended research plan and budget; and
- 4) Manage and implement all meetings and conferences.

**2. What was accomplished under these goals or objectives? (For each major goal/objective, address these three items below.)**

**a) What were the major activities?**

- o Moving the Headquarters (Networking & Facilitation Office) from Michigan State University to the University of Minnesota.
- o Weekly meetings between the Outgoing Director of Operations (Susan Canty) and the Incoming Director of Operations (Michelle Bjerckness).
  - Purpose of Weekly Meetings – training and transfer of knowledge of policies and procedures of the NFO and the USWBSI.
- o Distribution for the FY22 Call for Pre-Proposals (RFP).
- o Setting up new on-line Registration system for Forum Registration.

**b) What were the significant results?**

- o Completed the move of the NFO Headquarters from Michigan State University to the University of Minnesota.
- o Assisted with the development and distribution of the FY22 Request for Pre-Proposal (RFP).
- o A new Electronic Pre-Proposal Submission (EPS) system was developed by our System Administrator for the submission and review of FY22 Pre-Proposals.
- o One hundred and fifty-one pre-proposals were submitted totaling over \$10.4M in funding requests.

**c) List key outcomes or other achievements.**

**1) Objective i.**

- o Completed transition of the Outgoing Director of Operations (Susan Canty) to the Incoming Director of Operations (Michelle Bjerckness).
- o Distributed documents to PIs for Performance Reports.
- o Processed submitted Performance Reports and submitted them to USDA-ARS.
- o Uploaded FY19 Final and FY20 Annual Performance Reports, and FY21 Abstracts into the on-line Funding Database (<https://scabusa.org/database>).
- o Updated Funding Database with FY21 Funded Projects/Grants.

2) Objectives ii-iv.

- o Updated USWBSI’s ‘Impact Statement’ with FY21 funding data.
- o Finalized and distributed the FY21 Research Plan & Budget to the USDA-ARS PI and Steering Committee.
- o Transition of the Outgoing Director of Operations (Susan Canty) to the Incoming Director of Operations (Michelle Bjerkness) was completed.
- o The Call for FY22 Pre-Proposals was developed and distributed, along with the website and new Frequently Asked Questions (FAQ). A Press Release was also distributed for Transformative Science pre-proposals.
- o Registration for the 2021 National Fusarium Head Blight Forum launched.

A summary of committee meetings, conference calls, research-based workshops and committee nominations, appointments/elections that were organized, facilitated or supported by the NFO are provided in Table 1.

**Table 1.** Summary of Administrative Meetings (via Zoom), Research-based Planning Meetings, and Nominations facilitated or supported by the USWBSI’s Networking & Facilitation Office (NFO) during the FY21 award period.

<b>Committee/Group</b>	<b># of Meetings/ Nominations</b>	<b>Description/Purpose of Meeting/Nominations</b>
<b>Executive Committee (EC)</b>	3 Meetings	<b>FY22 Research Plan &amp; Budget/2021 FHB Forum</b> 05-05-21: New funding model for FY22/Working Caps; 2021 and 2022 Forums. 05-12-21: Finalize Decision on 2021 Forum and discuss whether Zoom discussion for Working Caps should be open beyond SC members. 06-30-21: Discussed and set final recommendation for FY22 Working Caps.
<b>Research Committees (RC)</b>	2 Meetings	05-10-21: Hard Winter Wheat Coordinated Project Planning Meeting for FY22 06-07-21: Gene Discovery and Engineering Resistance Planning Meeting for FY22
<b>2022 Terms Steering Committee (SC)/EC/RCs</b>	Nominations	09-13-21: Call for nominations went out through the USWBSI FHB Listserv

**3. Was this research impacted by the COVID-19 pandemic (i.e. university shutdowns and/or restrictions, reduced or lack of support personnel, etc.)? If yes, please explain how this research was impacted or is continuing to be impacted.**

Yes. For the safety of our participants/attendees, the USWBSI Executive Committee decided to hold the 2021 FHB Forum virtually using a video teleconferencing platform (Zoom) rather than in-person events. This meant that for the second time, the USWBSI had to cancel the contract with the same hotel again for 2021.

**4. What opportunities for training and professional development has the project provided?**

Nothing during this period.

**5. How have the results been disseminated to communities of interest?**

Information is disseminated through the USWBSI's list serves, website, emails, blogs, FHB-alerts, on-line articles, twitter feeds, LinkedIn, Forum proceedings, press releases and newsletters.

## Training of Next Generation Scientists

**Instructions:** Please answer the following questions as it pertains to the **FY21 award period (04/22/21-09/30/21)**. The term “support” below includes any level of benefit to the student, ranging from full stipend plus tuition to the situation where the student’s stipend was paid from other funds, but who learned how to rate scab in a misted nursery paid for by the USWBSI, and anything in between.

**1. Did any graduate students in your research program supported by funding from your USWBSI grant earn their MS degree during the FY21 award period?**

Yes     No     Not Applicable

**If yes, how many?** [Click to enter number here.](#)

**2. Did any graduate students in your research program supported by funding from your USWBSI grant earn their Ph.D. degree during the FY21 award period?**

Yes     No     Not Applicable

**If yes, how many?** [Click to enter number here.](#)

**3. Have any post docs who worked for you during the FY21 award period and were supported by funding from your USWBSI grant taken faculty positions with universities?**

Yes     No     Not Applicable

**If yes, how many?** [Click to enter number here.](#)

**4. Have any post docs who worked for you during the FY21 award period and were supported by funding from your USWBSI grant gone on to take positions with private ag-related companies or federal agencies?**

Yes     No     Not Applicable

**If yes, how many?** [Click to enter number here.](#)

### Release of Germplasm/Cultivars

**Instructions:** In the table below, list all germplasm and/or cultivars released with full or partial support through the USWBSI during the **FY21 award period (04/22/21-09/30/21)**. All columns must be completed for each listed germplasm/cultivar. Use the key below the table for Grain Class abbreviations.

*NOTE: Leave blank if you have nothing to report or if your grant did NOT include any VDHR-related projects.*

Name of Germplasm/Cultivar	Grain Class	FHB Resistance	FHB Rating (0-9)	Year Released
Not applicable to this project.	Select Grain Class	Select what represents your most resistant check	Enter as text 0-9 rating	Select Year
Click here to enter text.	Select Grain Class	Select what represents your most resistant check	Enter as text 0-9 rating	Select Year
Click here to enter text.	Select Grain Class	Select what represents your most resistant check	Enter as text 0-9 rating	Select Year
Click here to enter text.	Select Grain Class	Select what represents your most resistant check	Enter as text 0-9 rating	Select Year
Click here to enter text.	Select Grain Class	Select what represents your most resistant check	Enter as text 0-9 rating	Select Year
Click here to enter text.	Select Grain Class	Select what represents your most resistant check	Enter as text 0-9 rating	Select Year
Click here to enter text.	Select Grain Class	Select what represents your most resistant check	Enter as text 0-9 rating	Select Year
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Click here to enter text.	Select Grain Class	Select what represents your most resistant check	Enter as text 0-9 rating	Select Year

**NOTE:** List the associated release notice or publication under the appropriate sub-section in the 'Publications' section of the FPR.

FY21 Final Performance Progress Report

PI: Horgan, Brian

USDA-ARS Agreement #: 59-0206-8-215

Reporting Period: 04/22/21-09/30/21

## **Publications, Conference Papers, and Presentations**

**Instructions:** Refer to the FPR\_Instructions for detailed more instructions for listing publications/presentations about your work that resulted from all of the projects included in the FY21 grant award. Only citations for publications published (submitted or accepted) or presentations presented during the **award period (04/22/21-09/30/21)** should be included. If you did not publish/submit or present anything, state 'Nothing to Report' directly above the Journal publications section.

**NOTE:** Directly below each citation, you **must** indicate the Status (i.e. published, submitted, etc.) and whether acknowledgement of Federal support was indicated in the publication/presentation. See example below for a poster presentation with an abstract:

Winn, Z.J., Acharya, R., Lyerly, J., Brown-Guedira, G., Cowger, C., Griffey, C., Fitzgerald, J., Mason R.E., and Murphy, J.P. (2020, Dec 7-11). Mapping of Fusarium Head Blight Resistance in NC13-20076 Soft Red Winter Wheat (p. 12). In: Canty, S., Hoffstetter, A. and Dill-Macky, R. (Eds.), *Proceedings of the 2020 National Fusarium Head Blight Forum*. [https://scabusa.org/pdfs/NFHB20\\_Proceedings.pdf](https://scabusa.org/pdfs/NFHB20_Proceedings.pdf).

Status: Abstract Published and Poster Presented

Acknowledgement of Federal Support: YES (Abstract and Poster)

### **Journal publications.**

Nothing to report.

### **Books or other non-periodical, one-time publications.**

Nothing to report.

### **Other publications, conference papers and presentations.**

Nothing to report.

**NOTE:** All Forum Proceedings, Newsletters, Press Releases and On-Line Articles are available in PDF format on the USWBSI's Website: <https://scabusa.org>.