

## FY21 Performance Progress Report

Due date: July 26, 2022

### Cover Page

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<b>Fiscal Year:</b>	2021
<b>USDA-ARS Agreement ID:</b>	59-0206-0-126
<b>USDA-ARS Agreement Title:</b>	FHB Management Research in New York
<b>FY20 USDA-ARS Award Amount:</b>	\$13,363
<b>Recipient Organization:</b>	Cornell University School of Integrative Plant Science Plant Pathology and Plant-Microbe Biology Section, Plant Science Building, Room 316 Ithaca, NY 14850
<b>DUNS Number:</b>	872612445
<b>EIN:</b>	15-0532082
<b>Recipient Identifying Number or Account Number, if any:</b>	1538132 (OSP91332)
<b>Project/Grant Period:</b>	5/3/21 - 5/2/23
<b>Reporting Period End Date:</b>	5/2/2022

### USWBSI Individual Project(s)

USWBSI Research Category*	Project Title	ARS Award Amount
MGMT-IM	Integrated Management of FHB and DON in Winter Barley in New York	\$13,363
<b>FY21 Total ARS Award Amount</b>		<b>\$13,363</b>

I am submitting this report as an:  Annual Report  Final Report

I certify to the best of my knowledge and belief that this report is correct and complete for performance of activities for the purposes set forth in the award documents.

*Gary C. Bergstrom*

Principal Investigator Signature

July 26, 2022

Date Report Submitted

† BAR-CP – Barley Coordinated Project  
 DUR-CP – Durum Coordinated Project  
 EC-HQ – Executive Committee-Headquarters  
 FST-R – Food Safety & Toxicology (Research)  
 FST-S – Food Safety & Toxicology (Service)  
 GDER – Gene Discovery & Engineering Resistance  
 HWW-CP – Hard Winter Wheat Coordinated Project

MGMT – FHB Management  
 MGMT-IM – FHB Management – Integrated Management Coordinated Project  
 PBG – Pathogen Biology & Genetics  
 TSCI – Transformational Science  
 VDHR – Variety Development & Uniform Nurseries  
 NWW – Northern Soft Winter Wheat Region  
 SPR – Spring Wheat Region  
 SWW – Southern Soft Red Winter Wheat Region

**Project 1:** Integrated Management of FHB and DON in Winter Barley in New York

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

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E A .

**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?**

We conducted standard protocol IM studies on winter barley (cultivars KWS Scala and LCS Violetta).

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

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A F 10.3, A  
F 10.5 A F 10.5  
F 10.53. D  
1 A  
A  
D .  
D .

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

Miravis Ace and Prosaro will continue to be the main effective fungicides for FHB and DON suppression when applied to fully headed barley.

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

NA

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

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*Plant Disease Management Reports.*

## Publications, Conference Papers, and Presentations

Please include a listing of all your publications/presentations about your FHB work that were a result of funding from your FY21 grant award. Only citations for publications published (submitted or accepted) or presentations presented during the **award period** should be included.

**Did you publish/submit or present anything during this award period?**

- Yes, I've included the citation reference in listing(s) below.
- No, I have nothing to report.

### Journal publications as a result of FY21 grant award

List peer-reviewed articles or papers appearing in scientific, technical, or professional journals. Include any peer-reviewed publication in the periodically published proceedings of a scientific society, a conference, or the like.

Identify for each publication: Author(s); title; journal; volume: year; page numbers; status of publication (published [include DOI#]; accepted, awaiting publication; submitted, under review; other); acknowledgement of federal support (yes/no).

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### Books or other non-periodical, one-time publications as a result of FY21 grant award

Report any book, monograph, dissertation, abstract, or the like published as or in a separate publication, rather than a periodical or series. Include any significant publication in the proceedings of a one-time conference or in the report of a one-time study, commission, or the like.

Identify for each one-time publication: Author(s); title; editor; title of collection, if applicable; bibliographic information; year; type of publication (book, thesis or dissertation, other); status of publication (published; accepted, awaiting publication; submitted, under review; other); acknowledgement of federal support (yes/no).

NA

### Other publications, conference papers and presentations as a result of FY21 grant award

Identify any other publications, conference papers and/or presentations not reported above. Specify the status of the publication.

**Extension presentations by Gary C. Bergstrom from 5/3/21 to 5/2/22 that included updates on Fusarium head blight research:**

F C . (2/9/22)  
 :  
 A F : A .  
 E B (12/16/21)  
 :  
 A F : A .  
 C F D (6/3/21)

Status: Presented

Acknowledgement of Federal Support: Acknowledged in slides.