

FY21 Performance Progress Report

Due date: July 26, 2022

Cover Page

Principle Investigator (PI):	Dave Van Sanford
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Phone:	859-338-2409
Fiscal Year:	2021
USDA-ARS Agreement ID:	59-0206-0-176
USDA-ARS Agreement Title:	Accelerating the Development of FHB-Resistant Soft Red Winter Wheat Varieties
FY20 USDA-ARS Award Amount:	\$89,413
Recipient Organization:	University of Kentucky Department of Plant Science 327 Plant Science Bldg., Lexington, KY 40546-0312
DUNS Number:	939017877
EIN:	61-6033693
Recipient Identifying Number or Account Number, if any:	3200003270
Project/Grant Period:	6/1/21 - 5/31/23
Reporting Period End Date:	5/31/2022

USWBSI Individual Project(s)

USWBSI Research Category*	Project Title	ARS Award Amount
VDHR-NWW	Accelerating the Development of FHB-Resistant Soft Red Winter Wheat Varieties	\$84,014
VDHR-NWW	Coordinated Phenotypes of Soft Wheat Germplasm for the Midwest	\$5,399
FY21 Total ARS Award Amount		\$89,413

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.



Principal Investigator Signature

July 25, 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

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

We have been able to provide good opportunities for professional development of graduate and undergraduate students. During this period 3 graduate students in our breeding program have learned about scab resistance breeding from the ground up: designing crosses, scoring material in the field, harvesting and processing. Professional development opportunities have been limited but one of the students, Ela Szuleta presented a poster at the virtual FHB forum.

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

Our scab data is posted on our website (<https://ukwheatbreeding.ca.uky.edu/research-projects>), the variety testing website (<http://www.uky.edu/Ag/wheatvarietytest/>) and is provided to the NFO to be posted on ScabSmart.

