Reducing Fusarium Head Blight (Scab) on Wheat & Barley

The U.S. Wheat & Barley Scab Initiative's (USWBSI's) stakeholder-driven approach is aimed at identifying and providing research-based solutions to the FHB problem on wheat and barley.

HAVING AN IMPACT...

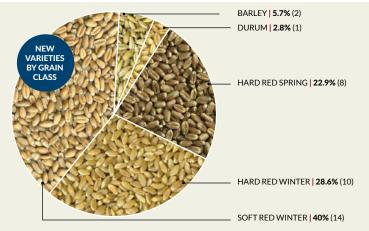


RESISTANT VARIETIES

USWBSI funded breeding efforts for FHB resistant wheat and barley cultivars in FY23 resulted in:









DISEASE FORECASTING

OF USERS INDICATE USWBSI'S FHB RISK TOOL ASSISTED IN INCREASING CROP PROFITS

IDENTIFIED THE NEED FOR FUNGICIDES, REDUCING POTENTIAL DISEASE LOSSES AND DON CONTAMINATION

AVOIDED UNNECESSARY FUNGICIDE APPLICATIONS

56%

67%



DISEASE MANAGEMENT

Pls in 20+ states conducted Integrated Management trials to evaluate new fungicide chemistries for growers





FOOD SAFETY

44,000+ wheat and barley samples, submitted from 31 states, evaluated for mycotoxin detection through USWBSI funded labs

ECONOMIC RETURN

For every \$1 invested in FHB research by the USWBSI, there are \$71 in benefits generated

MAKING IT POSSIBLE...

Funding for wheat and barley FHB research is authorized and allocated at \$15 million/year through the U.S. Farm Bill.

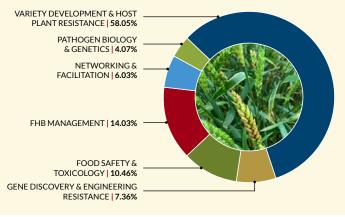
MILLION

\$8.6* MILLION ALLOCATED TO USWBSI FUNDING (DISTRIBUTED BY USDA-ARS)

\$6.4 MILLION IS ALLOCATED DIRECTLY TO USDA-ARS BASE FHB RESEARCH

 * In FY24, a \$1M reduction to USWBSI's allocation was temporarily implemented for a total of \$7.6M allocated.

FUNDING BY RESEARCH AREA



FHB RESEARCH TRAINING

GRADUATE STUDENTS
AND POST-DOCTORAL
RESEARCHERS FUNDED
AND TRAINED
YEARLY BY
USWBSI PIS GRADUATED AND/OR ACQUIRED JOBS IN FY23

FHB RESEARCH PUBLISHED



research articles, associated with USWBSI funding, published in FY23 furthers the progress of FHB research in wheat and barley

STATES WITH USWBSI RESEARCH PROJECTS

91 Land-Grant Universities and USDA-ARS PI's funded through competitive grants

31 States

123 Projects in progress





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