



Reducing Fusarium Head Blight (Scab) on Wheat & Barley

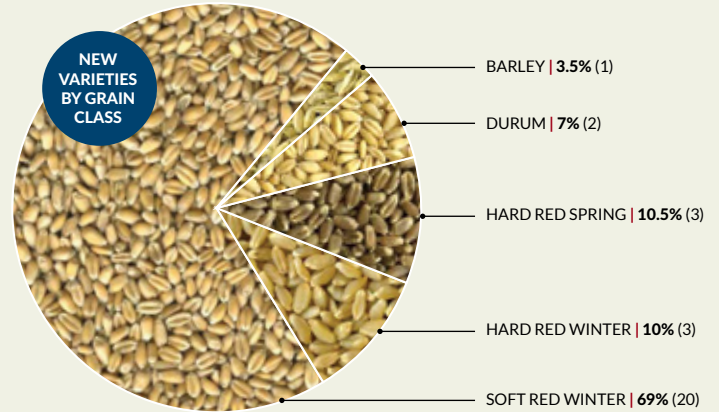
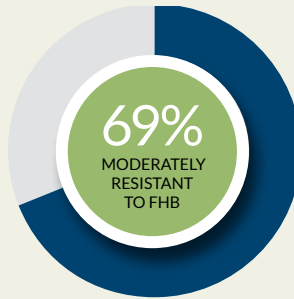
The U.S. Wheat & Barley Scab Initiative's (USWBSI's) stakeholder-driven approach is aimed at identifying and providing research-based solutions to the FHB problem on wheat and barley.

HAVING AN IMPACT...

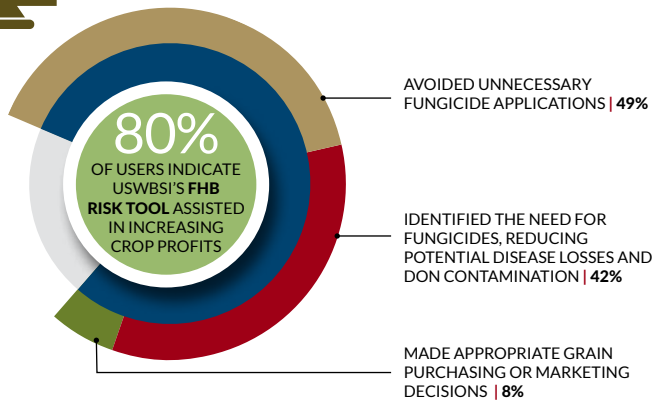


RESISTANT VARIETIES

USWBSI funded breeding efforts for FHB resistant wheat and barley cultivars in FY22 resulted in:



DISEASE FORECASTING



DISEASE MANAGEMENT



PIs in **20** states conducted Integrated Management trials to evaluate new fungicide chemistries for growers



FOOD SAFETY

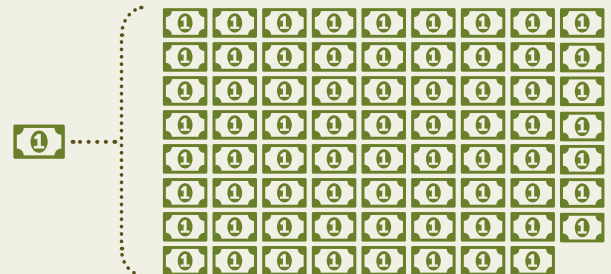
49,000+

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





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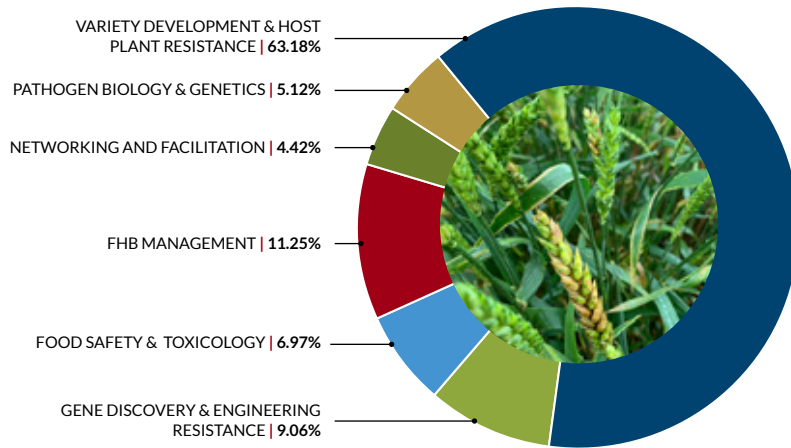
MAKING IT POSSIBLE...

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

\$15
MILLION

- \$8.6 MILLION ALLOCATED TO USWBSI FUNDING (DISTRIBUTED BY USDA-ARS)
- \$6.4 MILLION IS ALLOCATED DIRECTLY TO USDA-ARS BASE FHB RESEARCH

FUNDING BY RESEARCH AREA



FHB RESEARCH TRAINING



130+
GRADUATE STUDENTS AND POST-DOCTORAL RESEARCHERS FUNDED AND TRAINED YEARLY BY USWBSI PIs

45%
GRADUATED AND/OR ACQUIRED JOBS IN FY22

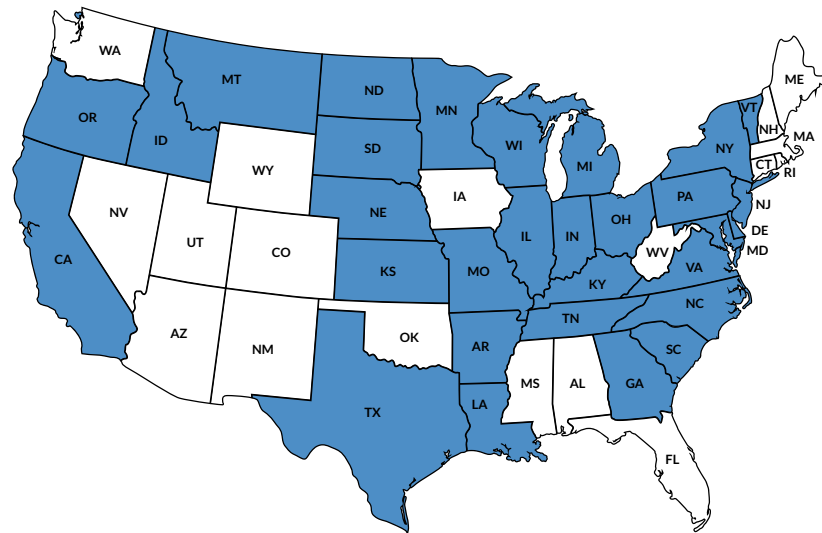
FHB RESEARCH PUBLISHED



40 research articles, associated with USWBSI funding, published in FY22 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
- 30** States
- 136** Projects in progress



U.S. Wheat & Barley Scab Initiative (USWBSI)

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All references use USWBSI FY22-23 data reports and sources, unless otherwise noted.