



# Reducing Fusarium Head Blight (Scab) on Wheat & Barley

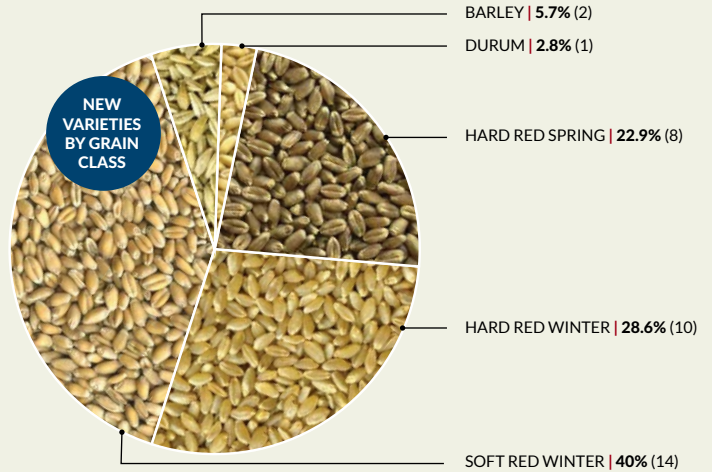
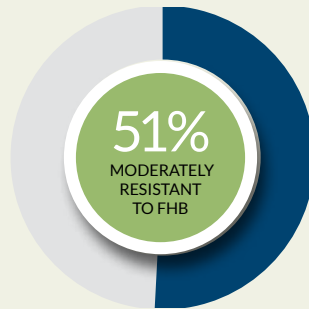
The U.S. Wheat & Barley Scab Initiative's (USWBSI's) stakeholder-driven approach is aimed at identifying and providing research-based solutions to the FHB problem on wheat and barley.

## HAVING AN IMPACT...

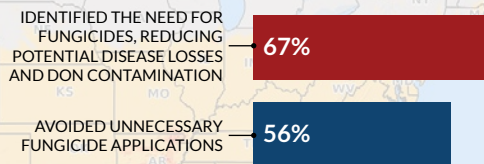
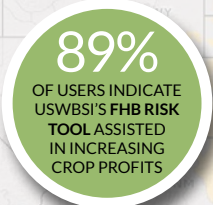


### RESISTANT VARIETIES

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



### DISEASE FORECASTING



### DISEASE MANAGEMENT



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



### FOOD SAFETY

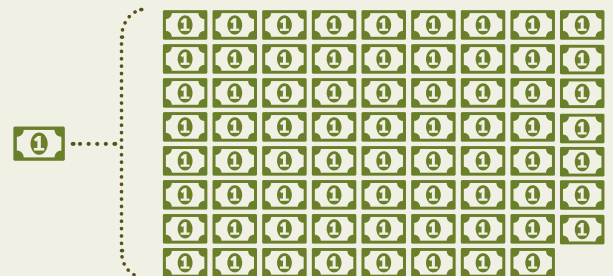
**44,000+**

wheat and barley samples, submitted from 30 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.

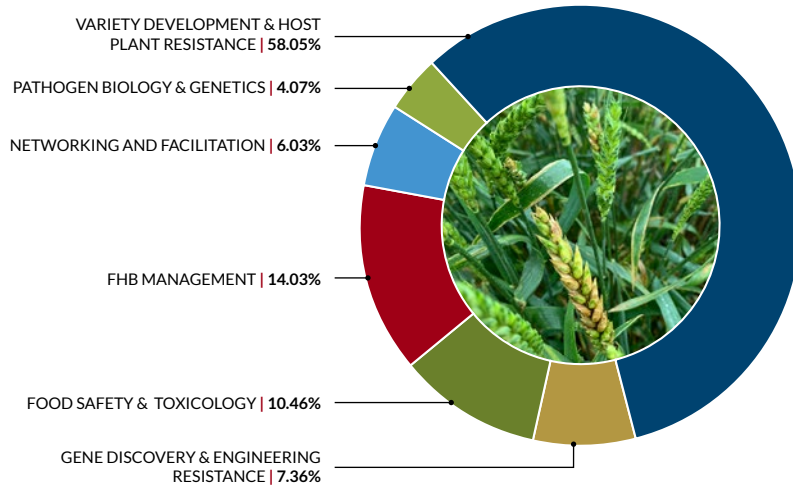
**\$15**  
MILLION

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

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

\* 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



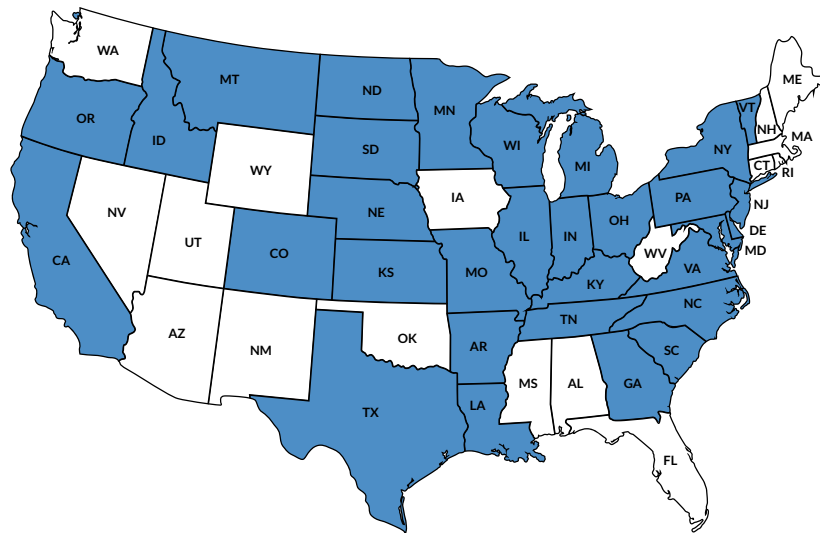
## FHB RESEARCH PUBLISHED



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



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

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All references use USWBSI FY23-24 data reports and sources, unless otherwise noted.