



Reducing Fusarium Head Blight (Scab) on Wheat & Barley

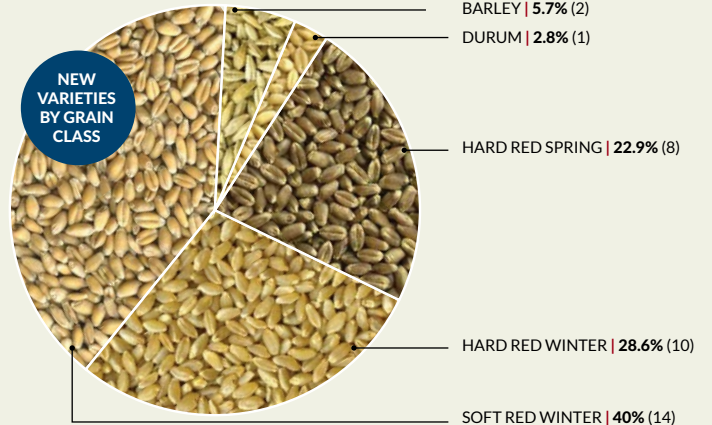
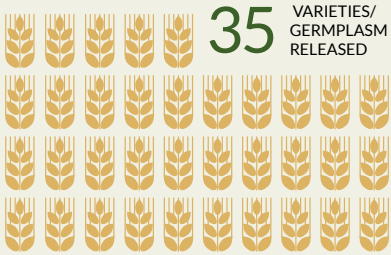
The U.S. Wheat & Barley Scab Initiative's (USWBSI's) stakeholder-driven approach is aimed at identifying and providing research-based solutions to the FHB problem on wheat and barley.

HAVING AN IMPACT...

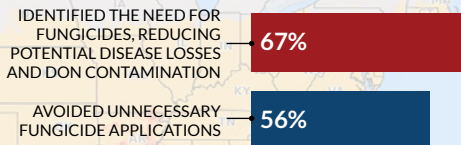
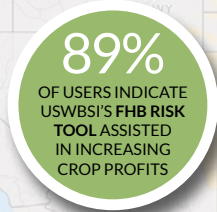


RESISTANT VARIETIES

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 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...

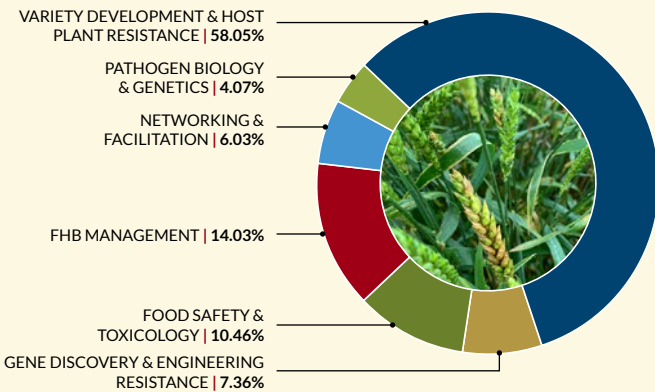
Funding for wheat and barley FHB research is authorized and allocated at \$15 million/year through the U.S. Farm Bill.

\$15
MILLION

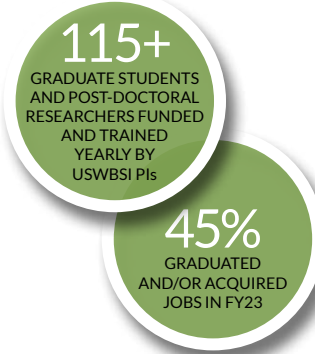
- \$8.6* MILLION ALLOCATED TO USWBSI FUNDING (DISTRIBUTED BY USDA-ARS)
- \$6.4 MILLION IS ALLOCATED DIRECTLY TO USDA-ARS BASE FHB RESEARCH

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

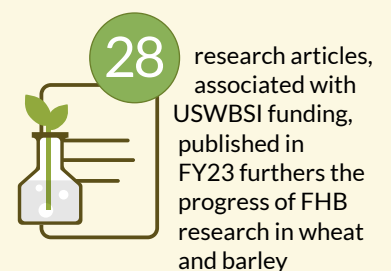
FUNDING BY RESEARCH AREA



FHB RESEARCH TRAINING

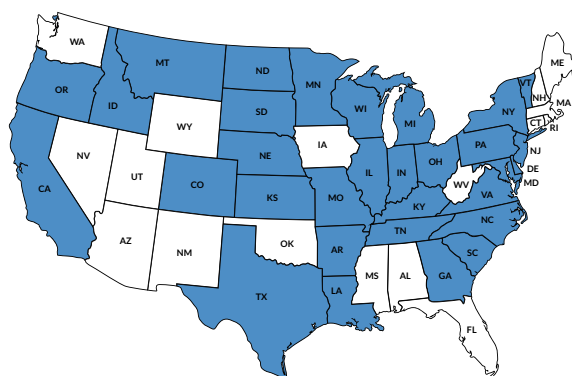


FHB RESEARCH PUBLISHED



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