



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

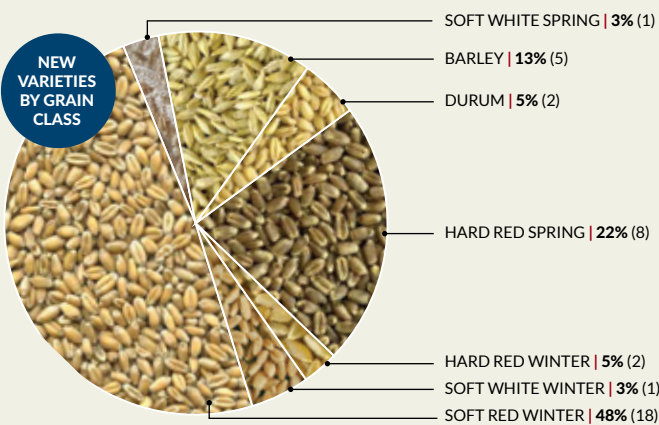
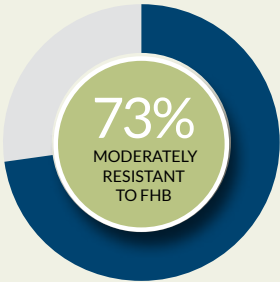
The U.S. Wheat & Barley Scab Initiative's (USWBSI's) stakeholder-driven approach is aimed at identifying and providing research-based solutions to the FHB problem on wheat and barley.

## HAVING AN IMPACT...



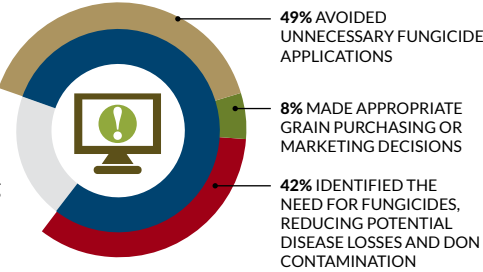
### RESISTANT VARIETIES

USWBSI funded breeding efforts for FHB resistant wheat and barley cultivars in FY21 resulted in:



### DISEASE FORECASTING

80% of users indicate USWBSI's FHB Risk Tool assisted in increasing crop profits



### 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 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



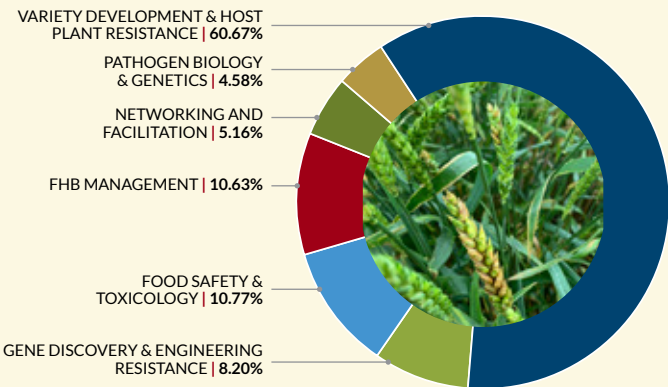
## MAKING IT POSSIBLE...

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

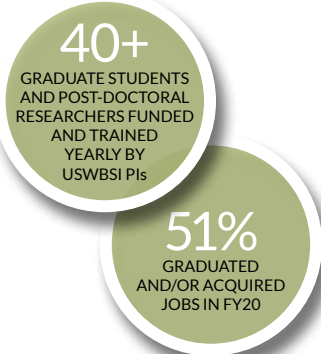
\$15 MILLION

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

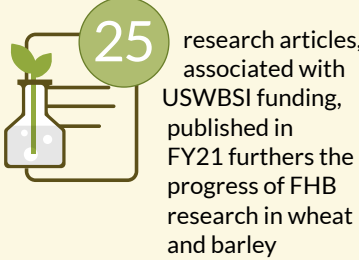
### FUNDING BY RESEARCH AREA



### FHB RESEARCH TRAINING

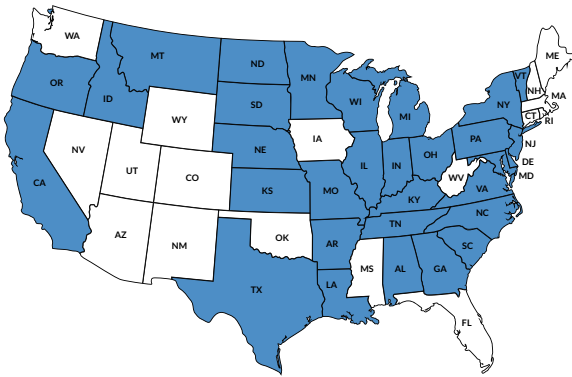


### FHB RESEARCH PUBLISHED



### STATES WITH USWBSI RESEARCH PROJECTS

93 Land-Grant Universities and USDA-ARS PI's funded through competitive grants  
31 States  
138 Projects in progress



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

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