



U.S. Wheat and Barley Scab Initiative

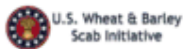
# FHB Tool Talk

Dear Extension, Crop Consultants, and Grower Organizations,

Based on user feedback, we're excited to announce that our FHB resources for [extension specialists, crop consultants, and grower organizations](#) on ScabUSA recently underwent a redesign while keeping usability in mind.





## A Simple Landing Page

- Find key items you may be looking for directly on the landing page, including the FHB Risk Tool, FHB Alerts, and the Scabinar.



Home ▾ About ▾ Funded Research ▾ Research Categories ▾ Forums ▾ Research Tools ▾ **Extension & Growers ▾** Pubs ▾ 

### Extension, Crop Consultant, and Grower Organization Tools




 <p>FHB Risk Tool</p> <p><a href="#">Start Predicting</a></p>	 <p>FHB Alerts</p> <p><a href="#">Sign Up</a></p> <p><a href="#">View Alert Blog</a></p>	 <p>2024 SCABINAR</p> <p>Scabinar</p> <p><a href="#">Start Watching</a></p>	 <p>Resources</p> <p><a href="#">Start Educating</a></p>
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## Useful Resources

- Print fungicide timing postcards, download integrated management slides for presentations, or check out FHB publications and podcasts.

## Resources

Home > Ext, Crop, Grower Tools

 <p>Fungicide Timing Postcards</p> <p><a href="#">Fungicide Timing</a></p>	 <p>Integrated Management Slides</p> <p><a href="#">Download Slides</a></p>	 <p>Publications &amp; Podcasts</p> <p><a href="#">Read Publications</a></p> <p><a href="#">Start Listening</a></p>
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### Relevant Content

- Find current and past FHB Tool Talk e-newsletter issues to stay updated on growing season challenges.
- Use Integrated Management and Uniform Fungicide Trial handouts at meetings for a simple overview of current fungicide trial results.
- Check out the updated *Ground Application of Fungicides for Fusarium Head Blight Management* extension publication from NDSU.
- Listen to podcast episodes featuring FHB experts.

**U.S. Wheat and Barley Scab Initiative**  
**FHB Tool Talk**

**USWBSI 2024 Scabinar**

**Mark Your Calendar:** Wednesday, March 13, 2024 (11:00AM - 1:00PM EST) 10:00AM - 12:00PM CST / 9:00AM - 11:00AM MST / 8:00AM PT (EST)

This live, two-hour webinar is intended for practitioner stakeholders (farmers, crop consultants, extension personnel, and industry personnel) to obtain insights on FHB and the best ways to manage FHB and associated mycotoxins in wheat and barley crops.

**Program**  
 Scabinar 2024 will feature experts from across different wheat and barley production regions in the U.S. who will provide the most current information on managing Fusarium head blight in wheat and barley. Building upon the information presented during Scabinar 2023, Scabinar 2024 will focus on fungicides and their use for management of Fusarium head blight and associated mycotoxins that can contaminate grain. Information will be provided through presentations and panel discussions and will feature results of fungicide application timing and efficacy research trials in wheat and barley, fungicide resistance monitoring efforts, and more.

**Registration**  
 Registration is free. Click [here](#) to register. Barley Scab Initiative via a Zoom web link will be available. The Scabinar will be recorded.

**CCA CEU Credits**  
 Certified Crop Advisor (CCA) continuing education category will be available.

**Spore Application Technology**

**Ground Application of Fungicides for Fusarium Head Blight Management**

**I SEE DEAD PLANTS**  
 The Crop Protection Network

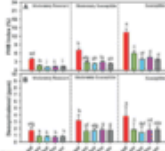
**NDSU EXTENSION**  
 North Dakota State University, Fargo, North Dakota

**FHB Management Coordinated Project: Integrated Management Trials 2023-2024**

The information in this handbook was authored by the U.S. Wheat and Barley Scab Initiative (USWBSI) Coordinated Project. The full list of authors can be found at <https://www.uswbsi.org/extension/2024/03/13/fhb-managing-coordinated-project-integrated-management-trials-2023-2024/>.



Fusarium head blight (FHB), also known as scab, is a damaging disease that affects wheat and barley crops around the world. It not only lowers the amount of grain farmers can harvest but can also lead to the production of a harmful toxin called deoxynivalenol (DON). This toxin can be dangerous to both people and animals when contaminated grain is consumed. No single management strategy is fully effective for reducing Fusarium head blight (FHB) and deoxynivalenol (DON) contamination of grain in wheat. An integrated approach that includes agronomic practices, resistant cultivars, and chemical control is required. While the efficacy of Fungicides and fungicide resistance monitoring for FHB and DON management has been well documented, it is unclear whether newly tested products such as Proscuro and Ligustrone will be just as or more effective than the industry standards when used in combination with cultural practices. Reported here are results from over 50 trials, conducted across 24 states, representing both spring and winter wheat production regions. The susceptible, non-resistant check had the highest mean DON (23.5%), whereas treatment combinations involving the application of Proscuro, Mirco, and Ligustrone had the lowest mean DON (1.1, 1.2, and 1.3%, respectively) (Fig. 5A). Within each resistance check, all fungicide treatments had significantly lower mean DON than the non-resistant check (Fig. 5A).



the lowest mean DON was observed when either the Proscuro Pro, or applied at anthesis to 8% mean ranging between 0.7 to 1.0% mean level of the non-resistant susceptible check (Fig. 5A). These findings suggest resistance and higher yield and DON, particularly genetic resistance.



**S4 - Ep 11**  
**Dr. Ruth Dill-Macky**

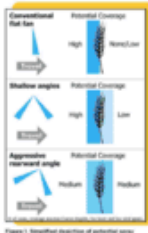
**Agonomists Happy Hour**

Fusarium head blight (FHB), often called scab, is the most significant disease for wheat and barley in North America. Severe yield and quality losses from FHB may occur when favorable weather conditions for disease development coincide with high heading and flowering crop stages.

Research conducted in the study in late 2023 and all-around NDSU Extension recommendations for the control of ground application of fungicides for FHB management using fungicides. This publication provides these recommendations by summarizing research from 16 publications.

**Summary of Recommendations**

- Use a dual-spray strategy with a disease control fungicide being applied (e.g., 30 days prior to anthesis) and a fungicide being applied (e.g., 10 days prior to anthesis).
- An angled spray is essential to optimize coverage. An experimental dual-spray provided better coverage than a conventional dual-spray or a single forward-facing spray (Table 1).
- A single nozzle producing an asymmetrical dual-spray provides greater penetration efficiency than other possible configurations.



Thank you for reading! Feel free to forward this message to your community. Want to receive FHB Tool Talk e-newsletters? [Subscribe today!](#)



More FHB Resources for [Extension, Crop Consultants, and Grower Organizations.](#)

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