







## Publications, Conference Papers, and Presentations

Please include a listing of all your publications/presentations about your FHB work that were a result of funding from your FY22 grant award. Only citations for publications published (submitted or accepted) or presentations presented during the **award period** should be included.

**Did you publish/submit or present anything during this award period May 1, 2022 – April 30, 2023?**

Yes, I've included the citation reference in listing(s) below.

No, I have nothing to report.

### Journal publications as a result of FY22 award

List peer-reviewed articles or papers appearing in scientific, technical, or professional journals. Include any peer-reviewed publication in the periodically published proceedings of a scientific society, a conference, or the like.

Identify for each publication: Author(s); title; journal; volume; year; page numbers; status of publication (published [include DOI#]; accepted, awaiting publication; submitted, under review; other); acknowledgement of federal support (yes/no).

Glover K. D., J. L. Kleinjan, C. Graham, S. Ali, Y. Jin, J. A. Ingemansen, E. B. Turnipseed, and L. Dykes. 2023. Registration of 'Ascend-SD' Hard Red Spring Wheat. Journal of Plant Registrations. (Accepted, awaiting publication – acknowledgement of federal support = YES).

### Books or other non-periodical, one-time publications as a result of FY22 award

Report any book, monograph, dissertation, abstract, or the like published as or in a separate publication, rather than a periodical or series. Include any significant publication in the proceedings of a one-time conference or in the report of a one-time study, commission, or the like.

Identify for each one-time publication: Author(s); title; editor; title of collection, if applicable; bibliographic information; year; type of publication (book, thesis, or dissertation, other); status of publication (published; accepted, awaiting publication; submitted, under review; other); acknowledgement of federal support (yes/no).

### Other publications, conference papers and presentations as a result of FY22 award

Identify any other publications, conference papers and/or presentations not reported above. Specify the status of the publication.

Dalitso N. Yabwalo, Shaukat Ali, Karl Glover, Connie Tande and Madalyn Shires. 2022. Management of Fusarium Head Blight with Demethylation Inhibitors and Succinate Dehydrogenase Inhibitors Combinations under High Disease Pressure in Spring Wheat. Proceedings of the 2022 National Fusarium Head Blight Forum am a F . December 4-6, 2022. Retrieved from: <https://scabusa.org/forum/2022/2022NFHBForumProceedings.pdf>

Ahmed Abdalla, Babak Azad, Karl Glover, Sunish Kumar Sehgal, Shaukat Ali, Kwanghee Won, and Ali Mirzakhani Nafchi. (2022). FHB Stage Detection, Deep Scanning Robot. Proceedings of the 2022 National Fusarium Head Blight Forum; Tampa, FL. December 4-6, 2022. Retrieved from: <https://scabusa.org/forum/2022/2022NFHBForumProceedings.pdf>

Babak Azad, Ahmed Abdalla, Karl Glover, Sunish Kumar Sehgal, Shaukat Ali, Kwanghee Won, and Ali Mirzakhani Nafchi. (2022). Large-scale Wheat-FHB Disease Analysis with Deep Neural Networks. Proceedings of the 2022 National Fusarium Head Blight Forum; Tampa, FL. December 4-6, 2022. Retrieved from: <https://scabusa.org/forum/2022/2022NFHBForumProceedings.pdf>

Ali Mirzakhani Nafchi, Ahmed Abdalla, Babak Azad, Karl Glover, Sunish Kumar Sehgal, Shaukat Ali, and Kwanghee Won. (2022). Improving Wheat Breeding Process Efficiency, Utilizing AI and Deep Scanning Model. *Proceedings of the 2022 National Fusarium Head Blight Forum*; December 4-6, 2022. Retrieved from: <https://scabusa.org/forum/2022/2022NFHBForumProceedings.pdf>

Anshul Rana, Jyotirmoy Halder, Jinfeng Zhang, Subash Thapa, Dinesh K. Saini, Harsimardeep Gill, Julie Thomas, Jonas Klein, Shaukat Ali, Maitiniyazi Maimaitijiang, Karl Glover, and Sunish K. Sehgal. (2022). Artificial Intelligence-based Detection and Sorting of Fusarium Damaged Kernels in Wheat and Implications for FHB Resistance Breeding. *Proceedings of the 2022 National Fusarium Head Blight Forum*; December 4-6, 2022. Retrieved from: <https://scabusa.org/forum/2022/2022NFHBForumProceedings.pdf>

Dinesh Kumar Saini, Anshul Rana, Maitiniyazi Maimaitijiang, Jyotirmoy Halder, Jinfeng Zhang, Subash Thapa, Shaukat Ali, Karl Glover, and Sunish K. Sehgal. (2022). Prediction of DON Content in Wheat Flour Using Close-Range Hyperspectral Imaging Coupled with Machine and Deep Learning Approaches. *Proceedings of the 2022 National Fusarium Head Blight Forum*; December 4-6, 2022. Retrieved from: <https://scabusa.org/forum/2022/2022NFHBForumProceedings.pdf>