

photo credit: Terry Felderhoff, in Ashland Bottoms, Kansas

Dear SorghumBase Community,

We're excited to share some of the latest developments from SorghumBase! From new genome data to conference presentations and a growing body of research, here's what's new:

30

Special Topics Series Launched

We've kicked off a new <u>Special Topics</u> series on the SorghumBase blog to spotlight important themes in sorghum research and its broader implications. Recent posts include:

- What are the FAIR Principles? A primer on making data Findable, Accessible, Interoperable, and Reusable
- The Health Benefits of Sorghum A look at why sorghum is a nutrient-rich, sustainable grain with growing health relevance
- Unlocking the Baking Potential of Sorghum: Research Insights on a Versatile
 Grain A growing body of research is leading Western food systems to broaden the use of sorghum

Stay tuned for more features in this evolving series or <u>contact us</u> to request a topic. Have a compelling idea for the series? We'd love to hear from you!

Growing the Funding and Project Pages

We're expanding our funded project content thanks to contributions from PIs in the sorghum community. You'll now find some project pages enriched with publication lists, data links, and research descriptions. Explore new content here: **SorghumBase Funding & Projects**. If you have been awarded a new grant or don't see your current grant on our site, please let us know through the **Contact Page**.

📚 Publication Database Update

The SorghumBase publication database continues to grow through our monthly curation of the scientific literature:

- **1,373 total publications** in 294 journals by 6,379 authors.
- New publications selected for the <u>research highlights</u> blog include cutting-edge studies on drought tolerance, nutrient use efficiency, and genomic diversity.

Explore the latest additions and highlights in our <u>Publications Section</u>. We also welcome your suggestions for papers we may have missed.



Global distribution of researchers contributing to papers selected for research highlights on SorghumBase this year.



Word cloud of keywords in papers hosted at SorghumBase.

🧬 SorghumBase Release 9

Release 9 went live just ahead of the Plant Animal Genome (PAG) meeting in January 2025 and includes exciting updates:

- 12 new genomes including T2T assemblies of Ji2055 and BTx623.
- Variation data updates including revised rsIDs and improved genomic mappings.
- Full details are in the <u>Release Notes</u>.

Conference Presentations

We've had a busy guarter representing SorghumBase at major conferences:

- PAG 2025 (January 10-15) Sorghum/Millet workshop presentation by Dr. Doreen
 Ware
- AGBT-AG (March 29 April 5) Poster and updates on sorghum genomic resources.
- <u>Biocuration (April 5–9)</u> <u>Poster</u> on standardizing germplasm, markers and trait data, and discussions on Al-assisted data curation.
- Sorghum and Millet Crop Germplasm Committee Meeting (April 9) –
 Community-driven genome curation for sorghum.

We're always happy to connect at these events—thank you to everyone who stopped by to share feedback or ask questions.

As always, thank you for your continued support and contributions. We look forward to an exciting summer ahead!

Warm regards,

The SorghumBase Team www.sorghumbase.org