Milling industry professionals from Nigeria, Rwanda, Tanzania, and South Africa improved their knowledge of flour milling and the U.S. wheat classes during the IGP–USW Flour Milling for Sub-Saharan Africa course held at the IGP Institute July 6–18, 2024.

The group began their two-week course with an overview of the U.S. milling industry, U.S. wheat classes, end-use functionality, and a discussion of the worldwide wheat supply and demand.

The next several days were filled with morning lectures on the milling process and afternoon hands-on milling sessions in the Shellenberger Hall tabletop milling lab and the Hal Ross Flour Mill. Participants learned about wheat cleaning, conditioning, and tempering, and then moved on to the types of milling equipment used including roller mills, sifters, and purifiers. Advanced lessons covered flowsheets, attribute curves, and mill evaluation and optimization. An additional day was spent in the baking lab using different types of flour to make breads, cakes, and cookies.

The group visited local elevators, a wheat farm, the Kansas Wheat Innovation Center, General Mills, and The Boulevard Brewing Company in Kansas City, Missouri, on the last day of the course.

Participants from the IGP–USW Flour Milling for Sub-Saharan Africa course spent an afternoon learning the basics of wheat grading during the two-week course held in July.
July Trainings and Activities

- Conducted the U.S. Wheat Associates Flour Milling for Sub-Saharan Africa course: 11 participants
- Conducted the IGP–KSU Feed Manufacturing course: 53 participants
- Conducted the IGP–KSU Advanced Baking Training: Breads course: 13 participants
- Conducted the USSEC – U.S. Soy Americas Sustainability Masters Program course: 32 participants
- Presented on behalf of USSEC at the 15th Global Bulk Grain and Oil Industry Conference in Nanjing, China
- Presented an overview of IGP and the Grain Science Department for two separate groups from the Kansas Ag in the Classroom summer program
- Presented on CuSum and storage of wheat to the U.S. Wheat Associates Sub-Saharan Africa group
- Hosted the Feed Science Podcast for Wisentix
- Presented on soybean and SBM storage for oilseed crusher in Costa Rica
- Participated in the IGP strategic planning and communications session with The Philip Shull Group, LLC