Technology and Commercialization Course Teaches Extrusion

The IGP Institute hosted 61 participants as part of the combined IGP – KSU Extrusion Processing: Technology and Commercialization course and one-day Pet Food Workshop held August 14–18, 2023.

The Pet Food Workshop kicked off the week with 25 industry professionals who spent the first day learning the latest in pet food nutrition, processing, ingredient trends, nutritional requirements for dogs and cats, specialty treats, and safety and HACCP issues. A hands-on extrusion lab session featuring formulation exercises was included.

The Technology and Commercialization course had 36 participants who learned aspects of extrusion technology, equipment, and product development for snack foods, breakfast cereal, pet food, and aquatic feed.

The course also focused on the science and practice of sensory evaluation and consumer acceptance studies for new products through applied lab exercises. A session on strategic business planning for processing companies was provided by faculty from the Department of Agricultural Economics at Kansas State University.

Eric Maichel (right), extrusion lab manager, assists participants in the IGP–KSU Pet Food Workshop as they take measurements of extruded pet food products during a hands-on extrusion exercise in the Bioprocessing and Industrial Value Added Products Innovation Center (BIVAP).
August Trainings and Activities

- Conducted the FSMA–HACCP course – 29 participants
- Conducted the IAOM–KSU Introduction to Flour Milling Short Course – 17 Participants
- Conducted the IGP Pet Food Workshop – 25 participants
- Conducted the IGP Extrusion Workshop – 36 participants
- Conducted the IAOM–KSU Flour and Dough Analysis Short Course – 21 Participants
- Presented Notes and Observations in International Commodity Markets. A weekly set of headline articles of events impacting the international grain and oilseed markets; distributed to faculty, key stakeholders, and an international audience, as well as being posted on the Ag Manager website. Learn more at [https://www.grains.k-state.edu/igp/on-site-training/grain-marketing/](https://www.grains.k-state.edu/igp/on-site-training/grain-marketing/)
- Recap of the Weekly U.S. Grain and Oilseed Export Shipment and Sales. A weekly set of analysis and data recapping the recent and year to date export shipment and sales. Distributed internally to IGP and to key stakeholders, and an international audience, as well as being posted on the Ag Manager website.
- Attended and presented at the U.S. Wheat Associates Latin American Buyers Conference in Puerto Vallarta, Mexico
- Attended USSEC’s SoyConnext in New York
- Met with and toured Cargill Elevator in Topeka, Kansas
- Met with and toured Tree House Foods in Excelsior Springs, Missouri
- Met with and presented to the U.S. Wheat Sub-Saharan Africa Trade Team in Manhattan, Kansas
- Met with and presented on “Wheat Quality to Optimize Mill Profitability” for the U.S. Wheat Contracting for Wheat Value Workshop for South Korea in Portland, Oregon
- Met with and presented to the U.S. Wheat Colombian Trade Team in Manhattan, Kansas
- Met with Kansas Corn Commission Staff
- Meet with National Sorghum Staff
- Met with Derrick Corporation about potential training opportunities