

INTERNATIONAL GRAINS

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Grain Science Complex breaks ground

The threat of rain did not dampen the spirits of more than 200 Kansas State University faculty, students and guests in attendance at the ground breaking ceremony for the Bioprocessing and Industrial Value-Added Program (BIVAP) facility on Sept. 13.

The BIVAP facility will serve as a place for K-State researchers to work with industry professionals to turn Kansas crops into both food and non-food products or to test new processes for making food and non-food products from grains.

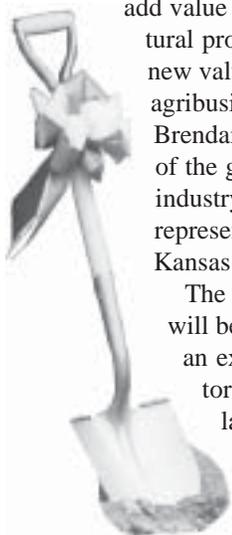
The BIVAP facility was an item of extreme importance for Kansas Gov. Bill Graves' 21st Century Vision Task Force, which made recommendations to the Governor concerning future policies and strategies affecting Kansas.

The 2001 Kansas Legislature approved \$3 million in state funds for construction of the facility and a \$4 million loan. Construction of the 33,000 square foot facility is scheduled to begin by the end of the year and will take 13 months to complete.

"The new BIVAP facility will help K-State work with Kansas to

add value to our agricultural products and create new value-added agribusiness," said Brendan Donnelly, head of the grain science and industry department. "It represents the future of Kansas agriculture."

The BIVAP facility will be complete with an extrusion laboratory, a fermentation laboratory and a room for industry to test novel processes,



Despite the threat of rain, Brendan Donnelly, head of the Grain Science and Industry Department, welcomed more than 200 K-State faculty, students and guests to the ground breaking ceremonies for the Bioprocessing and Industrial Value-Added Program facility.

such as plastic molding and thermal processing of grains, at a semi-commercial scale. Ron Madl will serve as the administrator of the facility once it is completed.

K-State President Jon Wefald said he thinks the new Grain Science Complex will be the most advanced grain science and industry operation in the world.

"We are a huge player, not just for Kansas agriculture, but for American agriculture," Wefald said. "It's very important that K-State stay on the cutting edge when it comes to research, teaching and service because even though we are in the year of 2002, agriculture still might be the most important industry that we have in America."

The idea of constructing such a building has been in the works since Donnelly joined the department of grain science and industry.

"Shortly after I came to K-State six years ago, Dean Marc Johnson asked me to assess our present facility and let

him know our needs," Donnelly said.

"I went to every part of our department in the several buildings it occupies and came to the conclusion that the present facility was not adequate either for teaching students or conducting the research necessary to meet the needs of the department in the 21st century. So after consultation with the department's faculty, I made a recommendation to the dean."

That recommendation transformed into a plan for a five building, \$60 million Grain Science Complex. The complex will be constructed on a 16-acre lot on the north side of Kimball Avenue, directly across from the K-State football stadium.

In addition to the BIVAP facility, the complex will include a grain science teaching and research building, a feed mill, a flour mill and the International Grains Program executive conference center. Construction of the IGP center is planned to begin early 2003 and will take 14-18 months to complete.

IGP organizes five educational

The International Grains Program was busy during the first quarter of this fiscal year planning, organizing and hosting short courses. Two regularly scheduled short courses and three special courses were held between July and September.

A diverse group of topics were addressed and 41 participants from 16 countries traveled home with insight into the U.S. grain industry and skills that will improve the companies for which they work.

Price Analysis and Risk Management

Traveling from four continents, seven international business representatives attended the Price Analysis and Risk Management short course. The course, held July 22-26, covered many topics related to the grain industry.

Working on case studies, the participants learned about the practical application of lessons learned in class lectures.

Countries represented included Brasil, Indonesia, Japan, Nigeria, the Philippines, Venezuela and Yugoslavia.

"I work for a company that is in charge of storing, loading and discharging vessels with grains or fertilizers," said Fraya Sandoval, a marketing director for Algranel CA in



Participants in the U.S. Wheat Sourcing Short Course watch Jim Sanford test dough during a visit to Great Harvest Bakery in Independence, Mo.

Venezuela.

"We also sometimes buy corn and soybeans from the U.S. to make animal feed and we sell it to Colombia, that's one of the reasons I am here."

Walter von Muhlen Filho, a wheat broker from Brazil, attended the IGP Grain Purchasing Short Course in 2001 and returned in 2002 to attend the Price Analysis and Risk Management course.

"IGP is like the magnet for people who work with the cereal business to know what is happening," Muhlen said.

"You have the opportunity to talk to people from other countries and see their needs."

Sourcing U.S. Wheat

On August 13-19, 12 participants from Bosnia-Herzegovina and

Yugoslavia attended the Sourcing U.S. Wheat Short Course. USDA Cochran and Counterpart International cosponsored the course.

The course discussed topics such as wheat grading, the U.S. grain inspection system, integrated pest management, pricing and contracting and wheat quality related to milling.

Participants toured industry related facilities to gain a broader knowledge of the U.S. wheat industry. This included visiting the Kansas City Board of Trade, Kansas City, Mo.; CII Laboratory Services, Kansas City, Mo.; and Cargill's Houston Elevator, Houston, Texas.

Wheat Milling & Blending

In an effort to learn more about blending U.S. wheat, seven Brazilian grain industry representatives attended an U.S. Wheat Associates-sponsored short course.

The course, Wheat Milling and Blending, was held Sept. 9-13 and covered many topics relevant to the milling industry. These topics included



Inspecting a soybean field, participants in the Algerian Soybean Meal and Corn Buyers seminar learned more about different test varieties.

onal courses during quarter

wheat needs and flour requirements, principles of wheat grading, wheat types and uses, wheat blending basics, conditioning blended wheat and many others. Participants spent more than 10 hours gaining hands-on experience in the flour milling laboratory.

Mario Crusizio, a wheat trader for Cargill, said he attended the course to gain skills to better serve his customers.

"I needed to know much more about the blending of U.S. wheat in order to be able to suggest to our customers in Brazil the appropriate quantities or qualities they could take of U.S. wheat," Crusizio said.

"Basically as a trader and as a merchandiser I have to serve my customers there, so it is part of my responsibilities to know much more about what I am going to offer as solutions to our customers," he added.

In addition to the organized lectures and laboratory exercises, participants at IGP courses are able to meet fellow industry professionals and learn from their experiences. "What I saw here was the technical guys and the commercial guys come together and we all become part of the same issue," Crusizio said.

Algerian Soybean Meal & Corn Buyer's Seminar

A large amount of information in a small amount of time. That was the goal of IGP faculty when they organized the Algerian Soybean & Corn Buyers Seminar held Sept. 30-Oct. 1.

The American Soybean Association arranged the four member Algerian team in cooperation with the United Soybean Board and USDA's Foreign Agricultural Service. The team had many stops during their visit to the United States from Sept. 24-Oct. 6.

Lahoussine Ayadi had attended an IGP course once before. "I would like to thank all of the IGP staff members and thank them for exceptional hospitality and what I appreciated in March 2000 made me come back this time," Ayadi said. "I would hope our relation can shift from a commercial emphasis to a partnership."

While at IGP, participants learned more about the U.S. soybean and corn pricing system, NOPA procedures and contracts and toured K-State soybean test plots.



Fraya Sandoval, Venezuela, accepts her graduation certificate upon completion of the Price Analysis and Risk Management Short Course from Brendan Donnelly.

Feed Manufacturing

Eleven participants gained a better understanding of the feed manufacturing industry through presentations from industry representatives, tours of industry facilities and one-on-one interaction with K-State faculty at an IGP short course.

Participants traveled from Barbados, England, Jamaica, Latvia, Spain, Tunisia and the United States to attend the two-week Feed Manufacturing Short Course held Sept. 23-Oct. 4.

Topics discussed in the course included extrusion, feed formulation, pelleting, handling ingredients, steam generation, safety and dust control plus many others.

Participants toured Bunge's facility, Emporia, Kan.; Klienpeter Dairy Farms, Montpelier, La.; and Bunge's Loading Facility, Destrehan, La.



Watching barges of grain unload at Bunge's port facility near New Orleans, La., participants in the Feed Manufacturing Short Course toured several industry-related facilities.

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Russia Feed Reform Team Visits IGP



In an effort to improve Russian feed regulations, the U.S. Grains Council organized a feed reform team to visit the United States. The 17-member team visited the United States Aug. 1-9 to learn more about U.S. grain monitoring, elevator inspection process and gain a greater understanding of the U.S. grain and feed system. The team toured IGP and K-State's Department of Grain Science and Industry facilities on Aug. 6. Eric Maichel, extrusion operations manager, shows team members extruded product.

McFall attends Crop Quality Tour

Kendall McFall, IGP flour miller, traveled to three Central and South American countries to provide information concerning the 2002 Hard Red Winter Wheat Crop Quality Report.

The Crop Quality Tour visited wheat industry representatives in Lima, Peru; Bogota, Colombia; and Caracas, Venezuela from Aug. 25-30.

In Lima and Bogota, representatives traveled to a central location to learn about the quality report. In Caracas, Kendall and Steve Wirsching, U.S. Wheat Associates' assistant regional director, went to three individual milling company offices to address specific questions and concerns.