

*Kansas State University
International Grains Program*

*25th
Anniversary
1978 - 200-*

2003 Annual Report

TABLE OF CONTENTS

Partners.....	2
Director's Message.....	3
IGP Celebrates 25 Years.....	4
West African Feed Manufacturing short course.....	6
Grain Purchasing short course.....	8
Flour Milling short course.....	10
Risk Management short course.....	12
World Map.....	14
Feed Manufacturing short course.....	16
Corn and Sorghum Procurement short course.....	18
Moldovan Flour Milling short course.....	19
PRC Corn Procurement short course.....	20
USGC World Food Program seminar.....	21
IGP Visitors Increase.....	22
Meetings and Seminars.....	23
Ground Breaking Ceremony.....	24
Milestones at IGP.....	25
Attendance Graphs.....	26
IGP Staff and Faculty.....	28



www.ksgrains.com/kcc



Kansas Wheat Commission
www.kswheat.com



www.ksgrains.com/kgsc



www.grains.org



www.kansassoybeans.com



www.usda.gov/gipsa

IGP PARTNERS



Texas Wheat Producers Board
www.texaswheat.org



Nebraska Wheat Board
www.newheat.state.ne.us



www.state.ok.us/~wheat



North American Export
Grain Association



www.kcbt.com



Colorado Wheat
Administrative Committee



www.uswheat.org



Foreign Agricultural Service
www.fas.usda.gov



www.soygrowers.com



www.unitedsoybean.org



DIRECTOR'S MESSAGE

Twenty-five years ago in the spring of 1978 the Kansas Legislature approved funding for the first professional institute in the United States to provide technical training in support of market development activities for U. S grains and soybeans. Earlier that year IGP's first director, Dr. Charles Deyoe, met with the Kansas corn, grain sorghum, soybean and wheat commissions to review the proposal for the new training program. This 2003 annual report marks the silver anniversary of the International Grains Program. A quarter of a century after its creation IGP has thousands of alumni in every corner of the world.

Once housed in Shellenberger Hall, then later in the Waters Hall Annex, IGP will move early in 2004 to its new 20,000 square foot home on Kimball Avenue in Manhattan. Ground breaking in 2003 for the new \$4 million facility was made possible by the same partners that originally helped create IGP. The faculty and staff of IGP have carried the information to end users worldwide on how to best buy and utilize U. S. food and feed grains. The new facility will have communication technology to enable faculty and industry to better assist our international customers throughout the world by satellite.

Please take time to review this 25th Annual Report and share it with your colleagues. You will see how the IGP works with producers, industry, national commodity groups, and government to assist the international buyers.

A handwritten signature in black ink that reads "Brendan J. Deyoe". The signature is written in a cursive style with a long, sweeping underline.



Arlin B. Ward (center) teaching a milling short course in 1984.

1960s. Department of Grain Science and Industry professors, including Arlin Ward, traveled throughout the world providing technical training and educational courses to international business leaders.

1966. The Food and Feed Grains Institute was established at K-State to conduct research in grain storage, processing, marketing and agribusiness development.

1976. Discussions began between the Department of Grain Science and Industry, Kansas Wheat Commission, and the American Institute of Baking to establish a formalized program to support overseas market-development activities for wheat.

1977. Dr. Charles Deyoe, head of the Department of Grain Science and Industry, began to work with representatives from Great Plains Wheat and the Foreign Agricultural Service of the U.S.

Department of Agriculture to further the idea of establishing a foreign-market-development program for wheat at K-State.

Feb. 17, 1978. Dr. Deyoe met with the Kansas corn, grain sorghum, soybean & wheat commissions to review a five-year funding proposal for the new K-State training and market-development institute.

Spring 1978. The Kansas legislature formally approved \$200,000 of general-use funds for the new K-State program. As a result, the International Grains Program became the first

professional institute in the United States to provide technical training in support of market-development activities for U.S. grains and soybeans. Dr. Deyoe was chosen as the program's director. Also, the Kansas Farm Bureau and the governor of Kansas provided their aircraft for a 12-person delegation to visit the six-year-old Canadian International Grains Institute in Winnipeg, Canada.

July 1978. IGP conducted its first short course. The course was on flour milling and was conducted in India by Arlin Ward and Eugene Farrell.

Aug. 25, 1978. The first advisory board meeting. At this meeting, the name, "International Grains Institute" was chosen; however, the name was changed a few weeks later to "International Grains Program" to avoid confusion with the Food and Feed Grains Institute.

April 9-19, 1979. IGP conducted its first overseas short course. 109 individuals, representing more than 70 companies, attended the feed manufacturing short course, in Korea.

IGP CELEBRAT

June 24-July 7, 1979. IGP conducted its first short course on the K-State campus, a Latin American flour milling short course. The course, presented in English, was simultaneously translated into Spanish. A financial contribution from the Oklahoma Wheat Commission helped sponsor the course.

Sept. 8-20, 1980. The first U.S. Grain Marketing System short course was conducted. The course, conducted at K-State, was based on a proposal developed by Harvey Kiser. The course has been offered at least once a year since then.

1980-1981. IGP facilities were expanded. Renovations to Waters Hall provided a conference room, funded by the Kansas Wheat Commission, and a 27-seat classroom equipped with audio-visual equipment.

Dec. 15, 1983. The IGP Center built at K-State was formally dedicated.

March 1984. The position of IGP associate director was created. Nicolaas Konijnendijk was appointed to the position where he served for two years.

June 1984. Renovations to the third floor of Shellenberger Hall were formally dedicated. The renovations included a 60-seat classroom, office space for IGP support staff, a grain science library and a coarse grain mill.



Eli Posner discusses wheat milling with USSR delegation in the milling lab in 1988.

March 1986. Robert Pudden served as acting associate director for IGP from March 1986 to September 1986.

October 1986. Roger Johnson was appointed IGP's second associate director. He served for more than a decade.

1986. IGP presented 28 short courses, workshops and seminars abroad and at the IGP Center at K-State. IGP was also host to more than 190 individuals, including 25 trade team delegations. Ulysses Acasio, a grain storage specialist, was added to the IGP staff.

1987. IGP presented 17 short courses & hosted 21 trade teams.

1988. IGP's ten-year anniversary. IGP conducted five short courses: grain marketing; grain grading, storage and handling; flour milling; advanced flour milling; and feed manufacturing. IGP also hosted 19 trade teams.



Steve Curran teaches participants about wheat quality in a wheat milling course.

manufacturing; and Southeast Asia grain sampling and inspection.

1996. Dr. Brendan Donnelly was hired as the head of the K-State Department of Grain Science and Industry and IGP director.

1997. 43 countries were represented in 1997 IGP activities, which included eight short courses and numerous visitations by trade teams and foreign visitors. John Howard was also hired as the IGP program administrator.

1998. IGP celebrated its twentieth anniversary. Plans continued for the construction of a new grain science complex at K-State and IGP conducted its first Price Analysis and Risk Management short course. Also, Dr. Brendan Donnelly

ES 25 YEARS

1989. IGP hosted six two-week short courses, 17 trade teams and 10 additional visitors. IGP also sent 11 K-State faculty members to 21 foreign countries. Additionally, IGP contributed to the 1989 U.S. Wheat Quality Report. IGP activities reached participants from 50 countries in 1989.

1990. IGP hosted four short courses and 17 formal trade teams, as well as other specialized training activities and individual visitors.

1991. IGP hosted four short courses: U.S. grain marketing system; flour milling; grain grading, storage and handling; and feed manufacturing. IGP also hosted trade teams and individual visitors.

1992. IGP continued its short courses and other training programs.

1993. IGP hosted several short courses and seminars: Russian grain marketing and management; Mexican feed manufacturing; the U.S. grain marketing system; grain marketing, handling and exporting; flour milling; Chinese grain marketing; Poland grain marketing; NIS grain marketing; milling management using computer models; and Chinese feed manufacturing and feed technology.

1994. IGP conducted 13 short courses, including nine specialized courses developed upon request. IGP also hosted 10 trade teams and other groups.

1995. IGP facilitated 10 short courses and workshops: purchasing U.S. grain; Turkish feed manufacturing; flour milling; Poland grain marketing; Morocco sorghum processing; grain marketing, handling and exporting; mill management using computer models; grain marketing and exporting; feed

established a five-state (Colorado, Kansas, Nebraska, Oklahoma and Texas) wheat advisory committee.

1999. 149 individuals from 80 countries visited IGP during the year. This does not include the more than 120 that attended regularly scheduled short courses.

2000. 119 participants attended short courses and 111 visitors came to seminars and tours.

2001. IGP had 125 participants in short courses despite the postponement of the Feed Manufacturing short course due to the tragedy of Sept. 11. The tragedy severely reduced the number of visitors.

2002. Professor Emeritus Arlin B. Ward passed away in January. He served on the faculty from 1961 until 1984 and was instrumental in the conception and creation of IGP. A record 168 participants attended IGP short courses.

2003. IGP Executive Conference Center construction began.



Bob Bequette, former manager of the wheat quality lab, discusses flour and dough rheology with a Philippino delegation.



International Grains Program began 2003 by offering valuable training to 20 individuals from Nigeria and Ghana. The short course was designed to address problems of the poultry industry in West Africa.

Eric Maichel (foreground), extrusion manager, explains equipment in K-State's extrusion lab. The participants were able to watch feed being processed from beginning to end.

WEST AFRICAN FEED MANUFACTURE

Prior to the IGP short course, the group participated in a short course held in West Africa. However, according to Michael David, a USDA agricultural specialist, that course did not cover all the basic problems facing the group. "When we got back home there was a need in the poultry industry to train feed millers in modern feed milling techniques," David said.

David contacted IGP and designed a special course held Jan. 13-21. The week-long course featured 20 presentations as well as a field trip.

David said the IGP short course increased the participants' understanding of feed manufacturing and how to use technology to improve their integrated poultry operations.

"I saw the level of interaction. I saw the enthusiasm of the team members. They all tell me you have exceeded our expectations by leaps and bounds," David said.

A participant in the course, Tunji Fakoya, managing director of Unique Turkeys Limited, was quite familiar with Kansas State University and Manhattan, Kan. Fakoya received his industrial engineering bachelor's degree

in May 1983 from K-State.

"I'm into turkey rearing back home in Nigeria now," Fakoya said. "They wrote a letter from the Embassy saying there's Cochran training short course and it's going to be Manhattan, Kan. I couldn't pass it up. It's my alma mater."

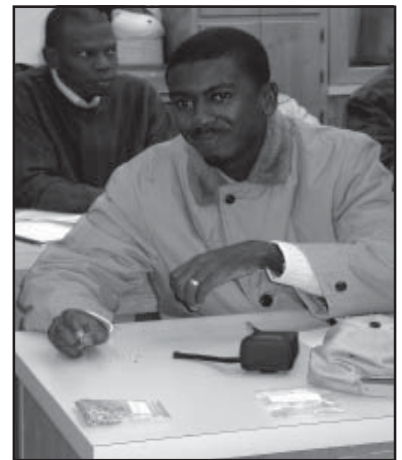
Fakoya now works on his father's turkey farm and said the course helped him learn many things that will help him in his position. "It's been an eye-opener and so many things that have come to light," Fakoya said.

"All the faculty members are so knowledgeable and they passed on so much information," he added.

The course also served as a networking opportunity between the participants. "I'm trying to look into pelletizing my feed," Fakoya said.

"Although, from what I see of the equipment, to get that for myself it may be too expensive, but I've met a colleague who happens to work for a pelletizing company in Nigeria.

"We've been talking and when we get back he's going to give me a price to pelletize my feed for me. If I pelletize my feed, it will give me 30



Kwame Asiedu Attrams, Ghana, participates in the grain grading lab.

percent more body weight for the birds."

One of the participants, Olubunmi Alabi Idowu, is the feed mill manager for Obasanjo Farms Nigeria Limited, which is owned by Chief Obasanjo, the President of Nigeria.

The group traveled to the Annual Poultry Conference in Atlanta, Ga., after the course concluded. The annual meeting features equipment and supplies for integrated feeds as well as other educational opportunities.



West African Feed Manufacturing Short Course (Left to Right)

Row One: Harvey Kiser, IGP; Brendan Donnelly, IGP; A.A. Awosanya, Nigeria; John Howard, IGP; Cathy McGlothlin, IGP; Nicole Young, IGP; Courtney Wimmer, IGP; Gbenga Agbato, Nigeria **Row Two:** Kendall McFall, IGP; Musa Alasa, Nigeria; Folarin Afelumo, Nigeria; William Awuku Ahiadormey, Ghana; Matthew E. Asuelimen, Nigeria; Stephen Bawa Ayikka Gado, Nigeria; Oladipupo Adegboyega Aofolaju, Nigeria; A. Michael David, Nigeria; A. Kehinde Oyewola, Nigeria; Clara Okoye, Nigeria **Row Three:** Carl Reed, IGP; Olufemi Aduroja, Nigeria; Olubunmi Alabi Idowu, Nigeria; Foloruyuso Emmanuel Ogunnaike, Nigeria; Olanrewaju N. Bello, Nigeria; Kwame Asiedu Attrams, Ghana; Tunji Fakoya, Nigeria; Abifarin Oluyomi, Nigeria; Olufemi Faniyi, Nigeria

CTURING SHORT COURSE

Monday, January 13

World Feed Industry, Rich MoneyMaker, Bunge Corporation
Soy Complex, MoneyMaker Pest Management in the Feed Mill, Bh. Subramanyam (Subi), K-State Grain Science & Industry Dept.

Tuesday, January 14

Grinding, Keith Behnke, K-State Grain Science & Industry Dept.
Pelleting Lecture, Behnke Mixing & Mixer Analysis, Behnke Feed Manufacturing Effects on Poultry Feed Quality & Nutrition, Scott Beyer, K-State Animal Science & Industry Dept.

Wednesday, January 15

Grain Grading Practicum, Carl

Reed, IGP

Material Handling, Fred Fairchild, K-State Grain Science & Industry Dept.
Extrusion Lecture, Sajid Alavi, K-State Grain Science & Industry Dept.
Extrusion Demo, Eric Maichel, K-State Grain Science & Industry Dept.

Thursday, January 16

Molds & Mycotoxins, Stella Doyungan, K-State Grain Science & Industry Dept.
Maintaining Quality of Stored Grain, Reed
Continuous Improvement Management Strategies, Tim Herrman, K-State Grain Science & Industry Dept.
Poultry Feed Formulation, Beyer

Friday, January 17

Equipment Selection, Fairchild U.S. Grain Production System, Harvey Kiser, IGP
The Science of GMO's, Harold Trick, K-State Plant Pathology Dept.
Benefits and Risks of GMO's, Trick

Saturday, January 18

Visit Cal/Main, Sherman Miller, Chase, Kansas
Visit Consolidated Nutrition Mill (ADM), Keith Bartley, Abilene, Kansas

Monday, January 20

Visit Purina Mills, Steve Trachsel, St. Joseph, Missouri
Visit Wenger, Brad Strahm, Sabetha, Kansas



Annual course teaches participants from seven countries about the marketing and processing of U.S. grains.

Keith Behnke (right) visits with short course participants during the feed mill tour.

GRAIN PURCH

The annual Grain Purchasing short course, held March 31 to April 11, brought 11 representatives from seven countries to Kansas State University to learn more about the marketing and processing of U.S. grains.

The two week course covered the mechanics of purchasing raw materials and featured detailed discussions of cash and futures markets, financing and ocean transportation.

These discussions were led by a total of 27 industry leaders and K-State Grain Science and Industry faculty who presented lectures and laboratory demonstrations.

While on the K-State campus, the group toured the feed mill, extrusion center, flour mill and bakery and were able to gain hands-on experience through demonstrations at each site. Participants used case studies to sharpen their skills in developing

purchasing strategies and gained other hands-on experience through a grain grading practicum.

A weekend field trip to Colorado was sponsored by the Colorado Wheat Administrative Committee.



Dr. Carl Reed works with Nguyen Quang Thuat and Nguyen Dung Xuan, both from Vietnam, in the grain grading lab.

The trip included a visit to the farm of IGP Advisory Committee chairman, Randy Wilks, in Burlington, Colo.; a tour of the ConAgra Flour Milling Company in Commerce City and of the Cargill Unit Train Loading Facility in Byers. Also while in Colorado, the participants had the opportunity to spend a day in Keystone Village and tour the Rocky Mountains. The short course was concluded with a visit to the Kansas City Board of Trade.

Tiffany Smit of the U.S., a USDA/AMS Market News Reporter trainee, said: "The actual farm tours, seeing the equipment and having the opportunity to drive the combine was very cool. I was glad I could come and learn."

Ali Abuellail, a dealer for Venus International Freezone, came from Egypt, one of the largest wheat importers in the world, and said he gained a lot from the short course.



Grain Purchasing Short Course (Left to Right)

Row One: Brendan Donnelly, IGP; Kendall McFall, IGP; Cathy McGlothlin, IGP; Kazushi Fujita, Japan; Hesham Hassanein, Egypt; Nicole Young, IGP

Row Two: Nguyen Quang Thuat, Viet Nam; Nguyen Dung Xuan, Viet Nam; Josela A. Garcia, Philippines; Lucas Lim, Philippines; Mostafa Ismail, Egypt; Harvey Kiser, IGP

Row Three: Carl Reed, IGP; Ali Abuellail, Egypt; Tiffany Smit, United States; Faisal Edha Awadh, Tanzania; John Howard, IGP; Hussein B. Sutadisastra, Indonesia

ASING SHORT COURSE

Monday, March 31

Overview of U.S. Commodity Groups,
John Howard, IGP

U.S. Grain Production & Marketing System,
Harvey Kiser, IGP

Cash, Futures and Basis Pricing in the World Grain Markets,
Kiser

Basis & Hedging Examples: Export & Import,
Kiser

Tour of Feed Mill, Extrusion Center, Flour Mill and Bakery,
Keith Behnke, Dale Eustace and Marvin Willyard, K-State Grain Science & Industry Dept.

Tuesday, April 1

Global Corn, Soybeans, and Wheat Supply and Demand Fundamentals,
Thomas A. Pham, Joel Eckleman, and Robert Knief, The Scoular Company

Grain Futures Options and their Use,
Kiser

U.S. Soybean Complex,
Rich MoneyMaker, Bunge Corporation

Wednesday, April 2

Grain Grading Practicum (Corn and Soybeans, Wheat and Sorghum),
Carl Reed, IGP

Grain Inspection and Certification,
Michael H. Eustrom, Federal Grain Inspection Service

Baking Demo: Flour Functionality and Impact on Baked Products,
Willyard

Thursday, April 3

Visit Randy Wilks farm,
Burlington, Colorado

Friday, April 4

Commercial Financing Grain Purchases,
Porter Little and Candace Roper, CoBank

Visit ConAgra Flour Milling Company,
Commerce City, Colorado

Visit Cargill-Byers Unit Train Loading Facility,
Byers, Colorado

Saturday, April 5

Visit Keystone Village and tour the Rocky Mountains,
Colorado

Monday, April 7

Purchasing Strategies - A Case Study: Introduction,
Kiser

Simulation Model: Managing Grain Purchases to Process,
Kendall McFall, IGP, and Bryan Schurle, K-State Agriculture Economics Dept.

Pricing U.S. Grains in the World Market,
Terry Garvert, Cargill, Inc.

Purchasing Strategies - A Case Study,
Kiser

Tuesday, April 8

How to Deal with the Market,
Kiser

Purchasing Strategies - Wrap-Up,
Kiser

Catching and Acting on Price Signals,

Alan Brugler, Marketing Consultant

Wednesday, April 9

Getting the Quality You Want,
John Oades, U.S. Wheat Associates

Grain Contracting & Negotiating: Making It a Profitable Transaction for Supplier and International Buyer,
Jay O'Neil, Bartlett and Company

Extrusion Principles & Uses,
Sajid Alavi, K-State Grain Science & Industry Dept.

Extrusion Demonstration,
Eric Maichel, K-State Grain Science & Industry Dept.

Thursday, April 10

Genetically Modified Grains and Soybeans,
Harold N. Trick, K-State Plant Pathology Dept.

Ocean Freight Market,
Albert Rudge, Greenwich Marine Division of Cargill Marine & Terminal, Inc.

Wheat Milling Demonstration,
Eustace

Friday, April 11

Visit Kansas City Board of Trade,
Robert Petersen and Sheila A. Summers, Kansas City, Missouri

Luncheon Reception with Grain Traders and Exporters

Potential Purchasing Strategies to Manage Risk,
Julian Viso, FC Stone



Participants learn about wheat harvest mill management and end product utilization at IGP Flour Milling short course.

Tom Morton (right), Kansas Wheat Commissioner, with participants at his farm in Wellington, Kan.

FLOUR MILL

In its 25th year in operation, the International Grains Program (IGP) hosted its annual flour milling short course June 9-20.

Eighteen participants represented nine countries and came to learn about the different aspects of flour milling. Twenty industry leaders and K-State faculty shared instruction on numerous topics like pest management, safety and dust explosions, wheat tempering, air applications in milling and advancements in quality measurement.

A wheat grading practicum, demonstrations on physical dough testing and milling, and labs on bakery, comparative milling and evaluating wheat quality each provided practical hands-on experience.

Wiwiek Budiono Muljono, Vice President of Pt. ISM Bogasari Flour Mills in Indonesia, said the hands-on lab work enabled him to try things he could not try at his mill in Indonesia.

“We cannot actually try things in the real production. We might mess up the order and it costs a lot of money,” he said. “With this mill I can learn, I can experiment.”

Outings included a visit to the American Institute of Baking, Manhat-

tan, Kan.; a field trip to the farm of Tom Morton, Kansas Wheat Commissioner, near Wellington, Kan., to experience wheat harvest; and visits to the Federal Grain Inspection Service Tech Center, Kansas City, Mo., and AIPC Flour Mill in Excelsior Springs, Mo.

Boniface Isunuoya, a flour mill superintendent from Nigeria, said he learned a lot.

“Visiting the farm and climbing the combine harvester was very fun,” he said. “It gives me the opportunity to know and see the wheat when it’s dry, when it’s being harvested and how they see that the wheat is ready for harvesting.”

The group also had the opportunity to visit with members of the Wheat Foods Council at a Kansas Wheat Commission sponsored luncheon at the Manhattan Country Club.

Alex Lao, a plant manager from the Philippines, said he came to the IGP short course to get firsthand information to teach in the Philippines to his employees.

Lao said learning about the wheat and “the technique on how to mill it properly and how to get the best quality out of it” was the most beneficial to him.



Ronald Lu, Taiwan, weighs a wheat sample in the comparative milling lab.



IGP Flour Milling Short Course
(Left to Right)

Row One: Gaea Wimmer, IGP; Wiwiek Budiono Muljono, *Indonesia*; Mike McDonald, *Canada*; Isunuoya Boniface, *Nigeria*; Brendan Donnelly, IGP; Don Bulanhagui, *Philippines*; Deddy Wisno Putra, *Indonesia* **Row Two:** Dusti Fritz, U.S.; Chia Feng Dai, *Taiwan*; Wen-Piao Liao, *Taiwan*; Reynaldo Martinez, *Philippines*; Emiliano Gallego, *Mexico*; Edward Ampadu, *Ghana*; Nicole Young, IGP **Row Three:** Shui-Ching Huang, *Taiwan*; Bob Bennett, IGP; Ronald Lu, *Taiwan*; Hsing Ming Peng, *Taiwan*; Mahjoub Sahaba, *Morocco*; Rodolfo Godinez, *Mexico*; Yasuaki Haruta, *Japan*; Ernesto Geneblazo, *Philippines* **Row Four:** Cathy McGlothlin, IGP; Henry Stevens, U.S.; Kendall McFall, IGP; Harvey Kiser, IGP; Alex H. Lao, *Philippines*; John Howard, IGP

LING SHORT COURSE

Monday, June 9

U.S. Wheat Production, *Harvey L. Kiser*, IGP
Kansas Wheat Commission, *Dusty Fritz*, Kansas Wheat Commission
US Wheat Classes and End Use Characteristics, *Kendall McFall*, IGP
Wheat Kernel Structure, *Henry Stevens*, U.S. Wheat Associates
Wheat Quality Factors and Effect on Mill Performance, *Stevens*

Tuesday, June 10

Principles of Wheat Cleaning, *Jeff Gwartz*, K-State Grain Science and Industry Dept.
Air Applications in Milling, *John Kice*, Kice Industries/GBS
Wheat Tempering, *Stevens*
Air Stabilization and Make Up, *Kice*
Principles of Wheat Grinding, *Dale Eustace*, K-State Grain Science and Industry Dept.

Wednesday, June 11

Visit American Institute of Baking, Manhattan, Kansas
Pneumatic Conveying System Design Factors, *Kice*
Energy Conservation – The Bottom Line, *Fred Fairchild*, K-State Grain Science and Industry Dept.

Thursday, June 12

Spread Sheet Solutions Using a Flour Pricing Model, *Bryan Schurle*, K-State Economics Dept.
Flour Mill Management Using Throughput Measures, *McFall*
Lunch at Country Club sponsored by Kansas Wheat Commission
Sieves and Sifters, *Gwartz*
Principles of Purification, *Eustace*

Friday, June 13

Wheat Grading Practicum, *Carl Reed*, IGP
Evaluating Wheat Quality, *Robert Bennett*, IGP
Field trip to wheat harvest area, Wellington, Kansas

Monday, June 16

Visit Federal Grain Inspection Service Tech Center, *Larry McDonald*, Kansas City, Missouri
AOM Presentation, *Gary Anderson*, Executive Vice-President
Visit AIPC Flour Mill, *Phil Jilka*, Excelsior Springs, Missouri

Tuesday, June 17

Advancements in Quality Measurement, *Jim Powers*, Perten Instruments

Milling Demonstration, *Eustace*

Flour Functionality, *Marvin Willyard*, K-State Grain Science and Industry Department
Physical Dough Testing Demonstration, *Marlo Penka*, K-State Grain Science and Industry Department

Wednesday, June 18

Comparative Milling, *Gwartz*
Bakery Lab, *Penka*

Thursday, June 19

Vitamins and Flour Additives (Enzymes, Oxidants and Malt), *Willyard*
Principles of Wheat Quality Evaluation in Laboratory, *Richard Chen*, Kansas State Grain Science and Industry Department
Cumulative Attribute Curves, *McFall*
Principles of Grain Storage, *Reed*

Friday, June 20

Integrated Pest Management, *Reed*
Explosions, Venting and Suppression, *Kice*
Innovative Filtration Technology, *David Renfert*, BHA Group, Inc.
Safety and Dust Explosions, *Robert Schoeff*, K-State Grain Science and Industry Department Professor Emeritus



Participants learn new strategies at annual Risk Management short course through presentations and case studies.

Participants work on case studies together in groups during the Risk Management course.

RISK MANAGEMENT

The Risk Management short course brought 19 people from 11 countries to the heartland to learn about alternative grain procurement strategies, fundamental and technical analysis, and currency-exchange rates.

The annual short course was held July 21-25 at Kansas State University's International Grains Program facility.

Gerald Curley Theus, U.S. Wheat Associates Deputy Regional Director for Sub-Saharan Africa, led a group of Nigerians to the IGP course.

"These are experienced buyers of wheat, in particular American wheat, and I think in totality it's interesting for them and for myself to see how risk management comes into play," Theus said.

"It's been an overwhelmingly positive response," Theus added. "We learned highly sophisticated purchasing techniques and that's been the most interesting aspect."

The group heard from industry professionals and K-State faculty on topics dealing with the market, purchasing strategies, options, ocean transportation, grain contracting and negotiating. Throughout the week the participants applied learned techniques while working together on case studies.

Suresh Chandran, technical director for the U.S. Grains Council in Malaysia, led a group from Southeast Asia and said the goal was for them to learn how to purchase grains effectively and at a competitive price.

"I think everyone learned a lot about futures and options and we hope they can use these as tools to purchase grains in the future," Chandran said.

The week ended with a visit to the Kansas City Board of Trade. Following the visit was a luncheon with grain trade executives.

Catalina Correa, a PROINSA purchasing manager in Colombia, said she thought the program was wonderful.

"Everything is going to be useful for me, every single thing."



Rachid Azaiez, Tunisia, and Gerald Theus, U.S. Wheat, examine corn during the grain grading practicum.



Risk Management Short Course (Left to Right)

Row One: Cathy McGlothlin, IGP; Soekarman W. Kusnadi, *Indonesia*; Albert Lauw, *Indonesia*; Kusuma Dewi Tjahyono, *Indonesia*; Catia Luciane Jorge, *Brazil*; Gaea Wimmer, IGP; Nicole Young, IGP

Row Two: Le Quang Thanh, *Vietnam*; Rachid Azaiez, *Tunisia*; Muiyiwa Talabi, *Nigeria*; Tran Thi Thu Huong, *Vietnam*; Jamie Chuan Lee Keng, *Indonesia*; Gerald Curley Theus, *South Africa*; Folaranmi Babatunde Odunayo, *Nigeria*; Catalina Correa Diaz, *Columbia*; Harvey Kiser, IGP

Row Three: John Howard, IGP; Suresh Chandran, *Malaysia*; Erik Laidvee, *Estonia*; Jan Cordesmeyer, *Germany*; Ignacio Valls, *Guatemala*; Jerry Omoruyi, *Nigeria*; Cyril Felix Attang, *Nigeria*; Rotimi Gbenga Fadipe, *Nigeria*

EMENT SHORT COURSE

SEMINAR

Wednesday, July 16
Cash Markets & Beginning of Futures of Marketing - Cash Contract Characteristics, Location of Cash Markets, Early Years of More Formalized Cash Trading, *Harvey Kiser, IGP*
Purpose of & Contract Characteristics of Futures Markets, *John Howard, IGP*
Grading of Wheat and Grain Sorghum, Corn and Soybeans, *Carl Reed, IGP*

Thursday, July 17
U.S. Production System (Wheat & Classes, Corn, Soybeans, Grain Sorghum), *Kendall McFall, IGP*
U.S. Storage and Transportation System, *Kiser*
Hedging Examples, *Kiser*
Options on Futures Markets, *Kiser*
Grain Grading System, *McFall*

Friday, July 18
Basis – A Tool with which to Make Purchasing Decisions, *Pablo Maluenda, FC Stone*
Option Examples, *Kiser*
Case Study on Grain Purchasing Strategies, *Kiser*

SHORT COURSE

Monday, July 21
Case Study, *Kiser*
Marketing & Price Risk Management Issues in Pricing, *Fred Hejduk, Mid-Central Products*
Supply and Demand Situation in the Grain Market, *Mike Mandl, Louis Dreyfus Corporation*

Tuesday, July 22
Using Technical Analysis & Risk Management Strategies in Commodity Markets, *Alan Brugler, Marketing Consultant*
Soybean Complex, *Rich MoneyMaker, Bunge Corporation*
Facilities Tour, *Howard*

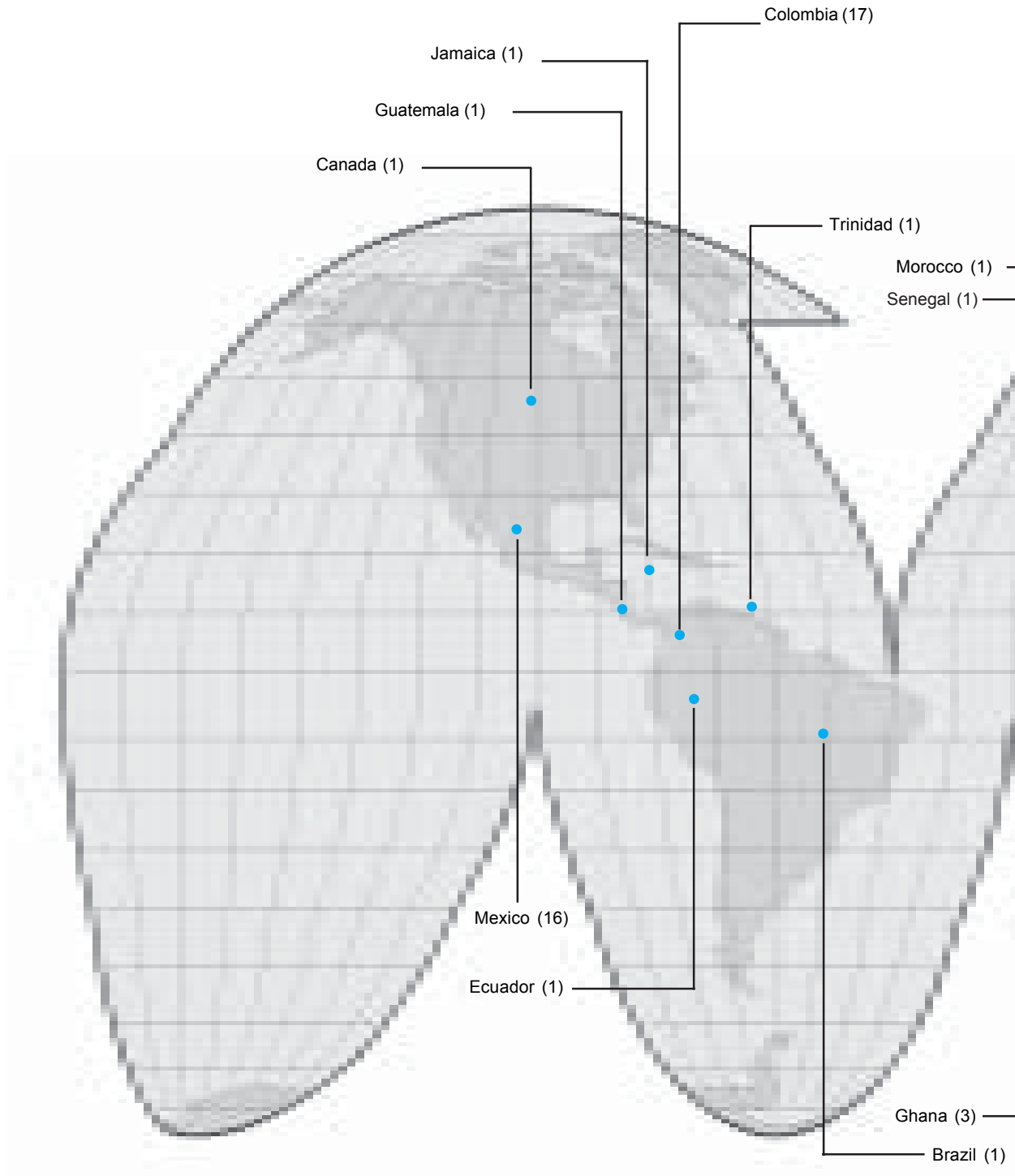
Wednesday, July 23
Analyzing the International Money Market and Managing Your Currency Risks, *Scott Petruska, Commerce Bank*

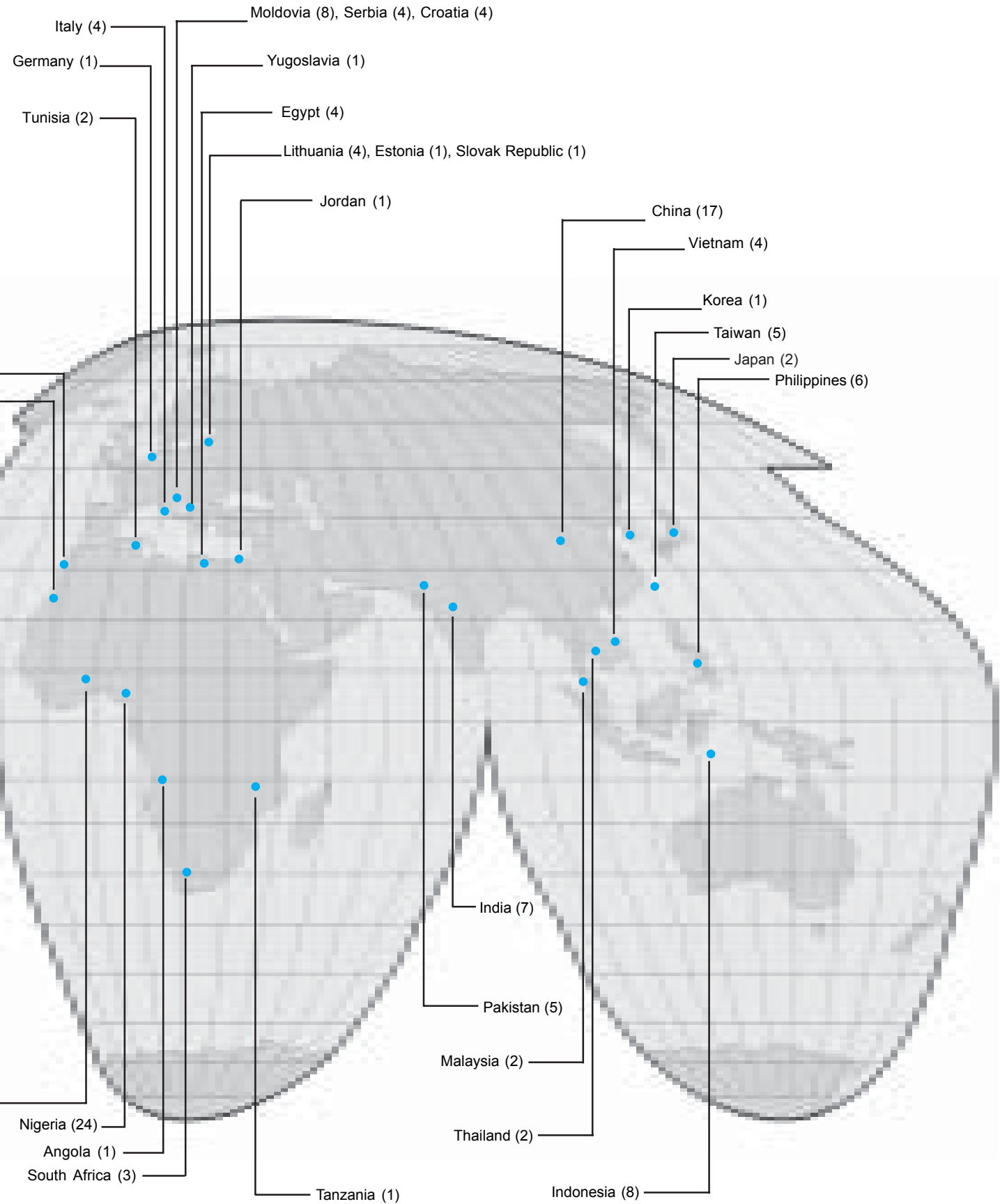
Ocean Transportation & Managing Your Ocean Freight Needs & Risks, *Al Rudge, Greenwich Marine Division of Cargill Marine & Terminal, Inc.*

Thursday, July 24
Limiting Risk & Maximizing Opportunities Using Options, *Howard Simons, Rosewood Trading*
Grain Contracting & Negotiating: Making It a Profitable Transaction for Supplier and International Buyer, *Randy Ritchie, ConAgra Foods*
How to Deal with the Market, *Kiser*

Friday, July 25
Visit Kansas City Board of Trade (KCBT), *Robert Petersen and Sheila A. Summers, Kansas City, Missouri*
Traders' Luncheon, Participants visit with Grain Trade Executives
Potential Purchasing Strategies to Manage Risk, *Julian Viso, FC Stone*

Since 1978, short courses have served as a formalized method to provide technical information to large groups of participants. IGP provides several standardized short courses each year and additional courses are developed upon request. The number following each country represents the number of participants at IGP short courses or additional training opportunities in 2003.







Fall Feed Manufacturing participants traveled to Louisiana during annual short course to visit a milk plant, dairy, poultry facility and Bunge's loading facility.

A Countryside Feeds employee (middle) visits with participants during their trip to the Hillsboro feed mill.

FEED MANUF

Twenty-nine participants from twelve countries attended International Grains Program's annual Feed Manufacturing short course Sept. 22 to Oct. 2, 2003.

The countries represented were Croatia, India, Indonesia, Korea, Lithuania, Pakistan, Serbia, the Slovak Republic, Thailand, Trinidad, Yemen and Yugoslavia. Most of the participants were sponsored by the Foreign Agricultural Services' Cochran Program. Five participants were self-sponsored.

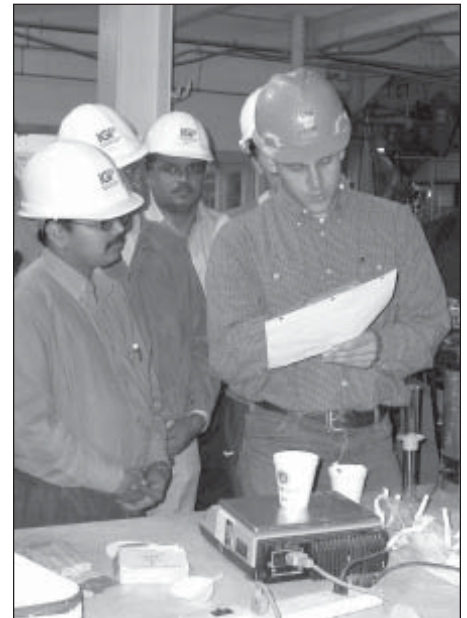
For the second year the American Soybean Association (ASA) brought over six participants from India for "reverse marketing." The idea is to get the Indians to better utilize their own soybean production and getting the Indian grown soy meal off the world market. ASA regional director Dinesh Bhosale organized the team.

Thirty-four lectures and demonstrations were given during the two-

week course. Seven presentations were given by outside industry leaders. Professors from the Animal Science and Industry Department and from the Department of Plant Pathology also made presentations.

A field trip to Emporia, Kan., to see the soybean crushing facility of Bunge was taken during the middle of the short course. While there, Rich Moneymaker gave a presentation on the soybean complex and price relationships with wheat and corn for animal feeding. From Emporia, the group traveled to Hillsboro, Kan., to visit Countryside Feed.

The group then traveled to Louisiana and visited the Klienpeter Milk plant and dairy and Cal-Main's caged layer production plant in northeast Louisiana. The field trip ended with a visit to Bunge's ship loading facility where they witnessed the unloading of river barges and the loading of a 50,000 metric ton vessel.



K-State Grain Science graduate student Patrick Clark (right) explains the mixer analysis test to the IGP group.



Feed Manufacturing Short Course
(Left to Right) **Row One:** Kamol Chumrusphonlert, *Thailand*; Clayton Gill, *U.S.*; Muhammad Anwer, *Pakistan*; Muhammad Jamil Memon, *Pakistan*; Dinesh Bhosale, *India*; Sohail Ahmed Shamsi, *Pakistan*; Cesar Burbano, *Ecuador*; Helen Kennedy, *Trinidad & Tobago*; Brendan Donnelly, *IGP* **Row Two:** Cathy McGlothlin, *IGP*; Andrej Bezak, *Slovak Republic*; Tatjana Tranaviciene, *Lithuania*; Chalimeda V. Rao, *India*; C. Vasanthkumar, *India*; Krishna Reddy Tetali, *India*; Tanunt Leelayoova, *Thailand*; Imran Ejaz, *Pakistan*; Pik Long Priyono, *Indonesia*; Pik Bing Siswanto, *Indonesia* **Row Three:** Harvey Kiser, *IGP*; Neven Voca, *Croatia*; Predrag Persak, *Croatia*; N. K. Lenka, *India*; Pawan Kumar Agarwal, *India*; Nenad Vukovic, *Serbia*; Soon Koo Cho, *Korea*; Miroslav Pavlovic, *Serbia* **Row Four:** Carl Reed, *IGP*; Mario Modric, *Croatia*; Igor Rados, *Yugoslavia*; Atila Vojter, *Serbia*; Radomir Radakovic, *Serbia*; Zvonimir Steiner, *Croatia*; Dale Clarke, *Jamaica*; John Howard, *IGP*

ACTURING SHORT COURSE

Monday, September 22

World Feed Industry, Clayton Gill, Feed International Magazine

U.S. Grain Production & Marketing System, Harvey L. Kiser, IGP

Grain Contracting and Negotiation, Jay O'Neil, Export Trader

Tuesday, September 23

Grain Grading Practicum, Carl Reed, IGP

The Federal Grain Inspection Service, Mark Ruth, Grain Inspection Packers and Stockyards Administration (GIPSA)

Molds & Mycotoxins, Reed and Stella Doyungan, K-State Grain Science and Industry Dept.

Maintaining Quality of Stored Grain, Reed

Wednesday, September 24

Feed Processing and Formulation Strategies to Improve Profitability in Pork Production, Joe Hancock, K-State Animal Science & Industry Department

Feed Manufacturing Effects on Poultry Feed Quality & Nutrition, Scott Beyer, K-State Animal Science & Industry Dept.

Feed Formulations for Ruminants, John Shirley, K-State Animal Science & Industry Dept.

Quality Assured Receiving, Fred

Fairchild, K-State Grain Science and Industry Dept.

Thursday, September 25

Grinding/Mixing Lecture, Keith Behnke, K-State Grain Science and Industry Dept.

Mixing/Pelleting, Behnke

Steam Generation & Quality, Ekramul Haque, K-State Grain Science and Industry Dept.

Pelleting Lecture, Behnke

Grinding/Mixing/Pelleting Demo, Feed Mill

Friday, September 26

Visit Bunge facility, Kevin Collins, Emporia, Kansas

Soybean Complex, Rich Moneymaker, Bunge Corporation

Visit Countryside Feed LLC, Frank Morey and Luke Lindsay, Hillsboro, Kansas

Monday, September 29

Visit Klienpeter Milk Plant, Jeff Klienpeter and Tommy Zicarelli, Baton Rouge, Louisiana

Visit Klienpeter Dairy, Ricky Hesser, Montpelier, Louisiana

Visit Cal-Main (caged layers), Robert Lewis, Pine Grove, Louisiana

Tuesday, September 30

Visit Bunge's Destrehan, Louisiana Loading Facility, Jerry Gibson, Gary Gamble, and C.J. Jones

Wednesday, October 1

Pest Management in the Feed Mill, Bh. Subramanyam (Subi), K-State Grain Science and Industry Dept.

Extrusion Demo (Extrusion Lab), Eric Maichel, K-State Grain Science and Industry Dept.

Bulk Load – Bagging Out, Fairchild
Material Handling, Fairchild

Thursday, October 2

Extrusion Lecture, Sajid Alavi, K-State Grain Science and Industry Dept.

Application of Liquid Ingredients in Feeds, Fairchild

Electricity & Control, Ekramul Haque
Continuous Improvement Management Strategies, Tim Herrman, K-State Grain Science and Industry Dept.

Friday, October 3

The Science of GMOs, Robert S. Zeigler, K-State Plant Pathology Department

Benefits and Risks of GMOs, Zeigler
Equipment Selection, Fairchild
Feed Plant Design, Fairchild



Corn & Sorghum Procurement Short Course (Left to Right)
Row One: Brendan Donnelly, IGP; Fernando Avila, Colombia; Sergio Muñoz, Mexico; Marta Goldstein, U.S.; Mauricio Ovalle, Colombia; Diane Henry, U.S.; Julio Hernandez, Mexico; Nicole Young, IGP
Row Two: Arturo Gonzalez Rodriguez, Mexico; Luis Felipe Gómez, Colombia; German Alberto Gallego, Mexico; Kendall McFall, IGP; Harvey Kiser, IGP; David Sperling, U.S.; Jaime Cuellar, Colombia; Cathy McGlothlin, IGP
Row Three: Maria Dolores Padilla Rougon, Mexico; Guillermo Hernandez, Mexico; Juan Manuel Mejia, Colombia; Yolanda Muñoz Jiménez, Mexico; Luis Uribe Alvarez, Colombia; Mario Cesar Ocampo, Colombia; Ignacio Alberto Toro, Colombia; John Howard, IGP

CORN AND SORGHUM PROCUREMENT SHORT COURSE

Special IGP spring course hosted for U.S. Grains Council

The International Grains Program hosted a special short course, Corn and Sorghum Procurement, April 28 to May 2. Fifteen participants from Mexico and Colombia came to learn about U.S. grain production and procurement practices.

Diane Henry, U.S. Grains Council (USGC), and John Howard, IGP Program Administrator, designed this specialized course to address the needs of grain procurement education.

Henry said this course topic was chosen because corn and sorghum are heavily used by Mexican feed mills and livestock producers and Colombian poultry producers.

“We concentrated on grain procurement training with the idea being an educated buyer is the best buyer,” she said.

To make the participants aware of options as grain buyers, 14 industry officials and K-State professors covered transportation costs, pricing, buying methods, and contract and logistical options. Hands-on experience was gained through case studies and a grain grading practicum.

“I wanted the participants to take home with them a confidence that the U.S. can supply their feed grain needs with the quality and quantity of their desires,” Henry said.

With the ultimate goal of increased U.S. grain exports into Mexico and Colombia, Henry said this course was definitely one step in USGC’s market development efforts.



Short course participants learn about grain grading from Dr. Carl Reed.



IGP Moldovan Flour Milling Short Course

(Left to Right)

Row One: Valentina David; Victoria Baichurina; Olga Mitchell; Raisa Cropivnitchi; Cathy McGlothin, IGP

Row Two: Vasile Besprozvani; Vladimir Paraschiv; Serghei Railean; Valeriu Bolfa; Nicole Young, IGP

Row Three: Harvey Kiser, IGP; Kendall McFall, IGP; Carl Reed, IGP; Dusti Fritz, Kansas Wheat Commission; John Howard, IGP

MOLDOVAN FLOUR MILLING

SHORT COURSE

Cochran Fellowship Program sponsors flour milling course

Seven industry leaders from Moldova attended a special International Grains Program flour milling course from August 4-8.

The group, sponsored by the Cochran Fellowship Program, visited Manhattan after traveling to Washington, D.C.

During the short course, K-State faculty covered topics including production, classes, cleaning and quality of wheat, principles of tempering, sifting and purification, rolls and roller mills, physical dough testing and food plant sanitation.

The course was translated by two Moldovan interpreters.

Participants had hands-on experience in the wheat grading practicum and in the practice milling lab.

The group took a field trip to Missouri where they visited AIPC Flour Mill in Excelsior Springs and the Kansas City Board of Trade.

While in Manhattan, the Moldovans went to the Farmer's Cooperative and toured K-State's Grain Science feed mill, extrusion center and pilot flour mill.



Serghei Railean & Vladimir Paraschiv work in the wheat quality lab.



IGP PRC Corn Procurement Short Course (Left to Right)

Row One: JIANG Junyang; GUO Xiaoli; DAN Zhuoyun; WANG Yuntao; TAN Deming; SONG Danpi; Brendan Donnelly, IGP

Row Two: Rebecca Weber, United States; WANG Hua; WANG Suhan; WANG Min; DING Jianwu; LAI Linjun; FU Mingliang; John Howard, IGP

Row Three: NIU Yishan; YAN Bo; Todd MEYER; Harvey Kiser, IGP; Nicole Young, IGP; LUO Hai; Cathy McGlothlin, IGP

PRC CORN PROCUREMENT

SHORT COURSE

People's Republic of China corn importers study corn procurement

The U.S. Grains Council (USGC) hosted 17 people from China to spend four days at Kansas State University's International Grains Program (IGP) to learn about corn procurement.

Before arriving in Manhattan on August 18, the group spent a week traveling throughout the Midwest. They started in Chicago and continued on to several other Illinois locations and then to Missouri.

Todd Meyer and Rebecca Weber with USGC and Harvey Kiser, IGP, worked together to design the course.

Course topics included corn storage issues, price signals, genetically modified organisms (GMOs), export inspection and certification system, molds and mycotoxins, basis and hedging examples, global corn supply and demand, and pricing and contracting alternatives.

Participants were able to gain

hands-on experience in the corn grading practicum.

"The nature of the group is that they're all potential customers and we want to make sure we're getting

and opened the lines of communication with these potential customers. He added that having the chance to share our side of the GMO story was very important and that he thought the group received the subjects quite well.

GMOs and the quality of U.S. corn were two of Suhan Wang's biggest concerns about U.S. grains. But after attending the IGP short course, she said she is more confident in U.S. products and our corn supply.

As manager of the purchasing and trading departments for Guangdong Chia Tai Conti Limited in China, Wang added that learning GMOs are safe for humans and about how they

are examined and controlled by the government helped a great deal.

"We are more confident of your corn and we understand more about the GMO corn," she said.



Suhan Wang and Deming Tan examine a corn sample in the PRC short course grain grading practicum.

them up to speed on the U.S. production marketing situation," said Meyer, USGC director in Beijing, China.

He said traveling with the group helped him build better relationships



USGC World Food Program Seminar (Left to Right)

Row One: Cathy McGlothlin, IGP; Ioannis Katsaros, Jordan; Dierk Stegen, South Africa; Sumalee Chanlohakarnkij, Italy; Gordana Jerger, Italy

Row Two: Mike Humphrey, United States; Pierre Honnorat, Pakistan; Kurt Shultz, Tunisia; Jack Keulemans, Italy; Nic Paulsson, United States

Row Three: Greg Graff, United States; Peter Gray, South Africa; Kodendera Belliappa, Angola; Harvey Kiser, IGP

Row Four: Jacques Collignon, Egypt; Mark Fowler, IGP; John Howard, IGP; Chris Nikoil, Italy; Georges Dubin, Senegal

WORLD FOOD PROGRAM SEMINAR

United Nation's World Food Program employees attend special seminar



Seminar attendees participated in classroom discussions about nutrition.

A World Food Program seminar was hosted by IGP in November. This special seminar was designed for the U.S. Grains Council (USGC).

Fifteen participants, all employees of the United Nation's World Food Program, attended the seminar. The nine countries represented were Angola, Egypt, Italy, Jordan, Pakistan, Senegal, South Africa, Tunisia and the United States.

Harvey Kiser gave a presentation on World Supply and Demand for Corn and Sorghum.

Carl Reed followed with his presentation on Tropical Grain Storage. This presentation was from his research a few years ago for the U.S. Grains Council.

Other topics covered included Nutritional Characteristics for Corn and Sorghum and Processing of Grains.

Monday, November 3

Welcome, John Howard, Program Administrator, International Grains Program

World Supply and Demand, Dr. Harvey L. Kiser, Senior Agricultural Economist, International Grains Program

Tropical Grain Storage, Dr. Carl Reed, Grain Storage Technologist, International Grains Program

Nutritional characteristics for corn and sorghum, Dr. Wanda Koszewski, University of Nebraska, Department of Nutrition and Health Science

Processing of grains, Dr. Georgia Jones, University of Nebraska, Department of Nutrition and Health Science

Panel discussion and wrap up



With the September 11, 2001, terrorist attacks, the number of visitors to the International Grains Program (IGP) steadily declined. In 2003, those numbers took a turn back to normal as IGP opened its doors to many visitors.

Kansas National Farmer's Organization members tour the K-State mills during a visit to IGP in 2003.

IGP VISITORS INCREASE

Senior Turkish officials visit IGP during training mission

Several officials with the Turkish Ministry of Industry and Trade visited IGP on Jan. 20 during a two-week tour of U.S. corporations and government offices. The goal of the trip was to provide information regarding privatization within the agricultural economy. From January 8-25, the group visited New York, Washington, D.C., Tennessee, Kansas and Minnesota.

While in Manhattan, Kan., the group members learned about the Kansas Wheat Commission and IGP. Harvey Kiser, IGP senior agricultural economist, discussed the U.S. wheat marketing system and the U.S. wheat futures markets. Steve Peterson, general manager of Farmer's Coop Association, shared a country elevator's perspective of pricing wheat to farmers.

The group was particularly interested in understanding the roles, responsibilities and interrelationships between private market participants and institutions to establish and implement laws and regulations that provide the parameters, standards and data needed for the commodity

marketing system to function efficiently and effectively.

During the tour, the group met with officials from the U.S. Department of Agriculture in Washington, D.C. and Memphis, Tenn. to learn about the interactions between government agencies and warehouse receipt system.

Taiwan delegation to IGP

Kansas State University's International Grains Program (IGP) and Department of Grain Science and Industry welcomed some of the most loyal customers of American wheat when the Taiwan Goodwill Mission arrived in Manhattan on Sept. 26.

The 2003 Agricultural Goodwill Mission included five representatives of the Taiwan Flour Mills Association and U.S. Wheat Associates.

According to K.H. Lu, U.S. Wheat's country director in Taipei, the millers will indicate their intent to purchase at least 1.7 million metric tons of United States wheat in 2004 and 2005.

The Taiwan delegation learned about IGP and the Grain Science department and also toured the feed and flour mills.

Last year, Taiwan was America's seventh largest wheat importer.



A member of the Turkish delegation asks a question during his IGP visit.



Throughout the year, IGP faculty and staff traveled in the United States and abroad to hold seminars and promote participation.

Amanda Niemann, daughter of Kansas Soybean Commissioner Lois Niemann, was the lucky winner of an IGP laser pointer pen during the Commodity Classic in Charlotte, N.C., Feb. 26-March 1.

MEETINGS & SEMINARS

January

- 27 IGP five-state advisory committee meeting; Albuquerque, N.M.
- 28-30 U.S. Wheat Associates' annual winter meeting and trade show sponsored by NAWG; Albuquerque, N.M.

February

- 26-1 Commodity Classic; Charlotte, N.C.

May

- 11-17 USGC Tropical Storage of U.S. Corn seminar; Lima, Peru
- 14-15 Burlington Northern Santa Fe Rail Road conference on shuttle trains; Kansas City

- 18-21 IAOM - International Association of Operative Millers (previously known as AOM - Association of Operative Millers) annual technical conference and trade show; Pittsburgh, Pa.

June

- 2-6 U.S. Wheat's course for Alicorp covered technical milling and flour milling business related topics; Lima, Peru
- 24-25 International Grain Council's annual Grains Conference; London

- 26 Flour Fortification Initiative Seminar; London

October

- 3-6 10th annual international seminar of the Brazilian Millers Association (ABITRIGO); Florianopolis, Brazil
- 8-13 Africa/Middle East District meeting of the International Association of Operative Millers (IAOM); United Arab Emirates

November

- 10-14 Association of Latin American Millers (ALIM) meeting; Punta del Este, Uruguay

December

- 9-10 Kansas Commodity Classic; Manhattan, Kan.



International Grains Program Executive Conference center ground breaking ceremony was held March 7, 2003. Expected completion date of the \$4 million facility is March 2004.

Marc Johnson, dean of the College of Agriculture, speaks to the audience at the IGP Executive Conference Center ground breaking.

GROUND BREAKING

International Grains Program (IGP) celebrates 25 years with the ground breaking of the new Executive Conference Center, a place where foreign business and governmental leaders will develop technical knowledge and skills that enable them to become more informed purchasers and processors of U.S. food and feed grains.

IGP courses also acquaint participants with current trends and issues affecting the industry.

The IGP, established by the Kansas legislature in 1978, has trained thousands of international grain industry representatives in its 25-year existence. "IGP strives to be a wellspring of training and information for international purchasers and processors using grains produced by U.S. farmers," said Brendan Donnelly, head of the department of grain science and industry.

"Today you can find IGP trained buyers of grain in literally every corner of the world," he added.

The money to build the IGP facility came initially from the Kansas Wheat Commission. The Kansas Corn Commission also made a significant contribution and a pledge for additional funds.

The new IGP Center, a \$4 million project within K-State's department of

grain science and industry, will provide world-class meeting and instructional facilities. "With the completion of the new executive conference center in March 2004, IGP will be better equipped to meet the information, communication and training needs of the 21st Century," Donnelly said.

For more than 20 years, IGP has established a worldwide reputation as a center of excellence for international programs related to grain marketing, and flour and feed milling processing and utilization.

Additionally, IGP has a rich tradition in training related to marketing, processing, purchasing and shipment of corn, grain sorghum, soybeans and wheat. The new IGP Center will allow the program to continue training international purchasers and users of U.S. commodities in a world-class facility.

The IGP Executive Conference Center is one of five facilities that will make up the Grain Science Complex, which will also include the Bioprocessing and Industrial Value-Added Program building; a grain science teaching and research building, which includes the bakery science and management program; a feed mill; and a flour mill.



Members of the Kansas Wheat Commission symbolically break ground for the new IGP Executive Conference Center.



Artist rendering of IGP Executive Conference Center.

MILESTONES AT IGP

IGP administrative assistant receives award



Cathy McGlothin, program administrative assistant, was chosen the 2003 Classified Employee of the Year for the College of Agriculture. She was selected from all candidates in the College of Agriculture.

McGlothin assists the IGP Director and Program Administrator in planning, organizing and coordinating administrative details

for IGP short courses, conferences and visitors. She also coordinates plans for breaks, refreshments, banquets and meals for IGP functions.

David Frey, Kansas Wheat Commission Administrator, said: "In Cathy's capacity of providing personal contact and support for the program, she serves as a working person's diplomat, representing America to people who may never be in this country again. It is clear to me that she cares about the results of the program."

Schoeff inducted into Hall of Fame

In 2003, Robert Schoeff, K-State Grain Science and Industry emeritus professor, was inducted into the Feed Manufacturing Hall of Fame. The hall of fame is located in Shellenberger Hall at K-State where Schoeff worked from 1960-1991. He lectures on safety and dust explosions at IGP short courses.



Fowler hired as new IGP flour miller

Mark Fowler was hired in September as the International Grains Program (IGP) flour miller. He succeeds Kendall McFall who accepted an instructor position in Kansas State University's Department of Grain Science and Industry. McFall will maintain a 30 percent appointment with IGP.

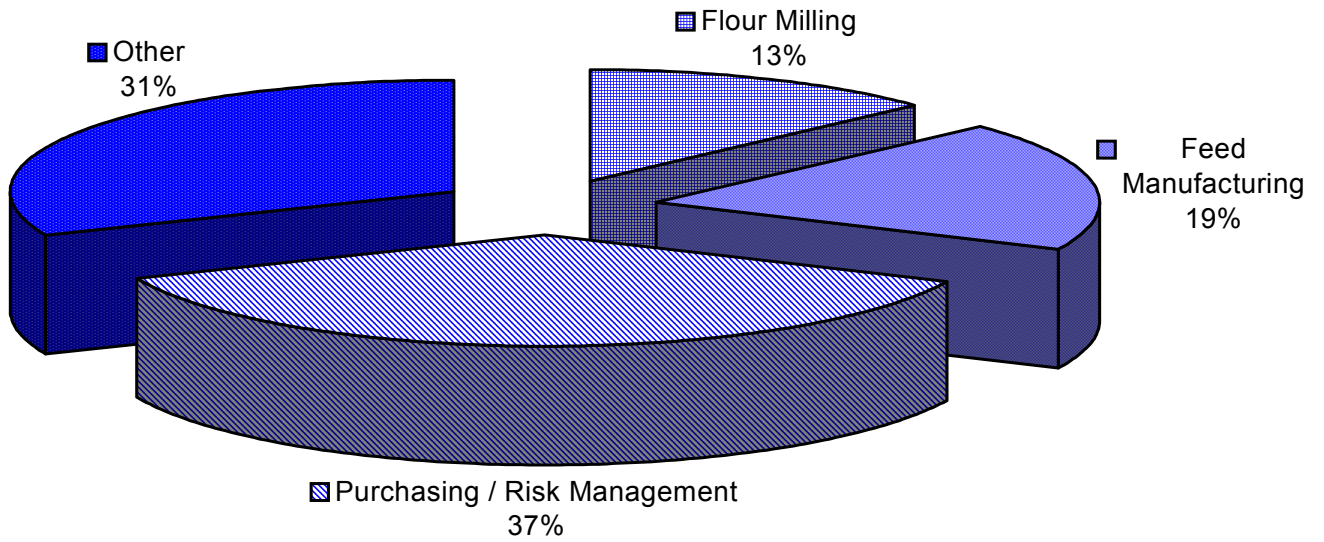


Fowler worked for Seaboard Corporation for the past six years. He was based in South Africa for the last three years as the technical director of the Seaboard Overseas Group, Africa division.

At IGP, Fowler will be responsible for all activities related to the program's mission of wheat promotion and market development. This includes designing and implementing educational programs for IGP.

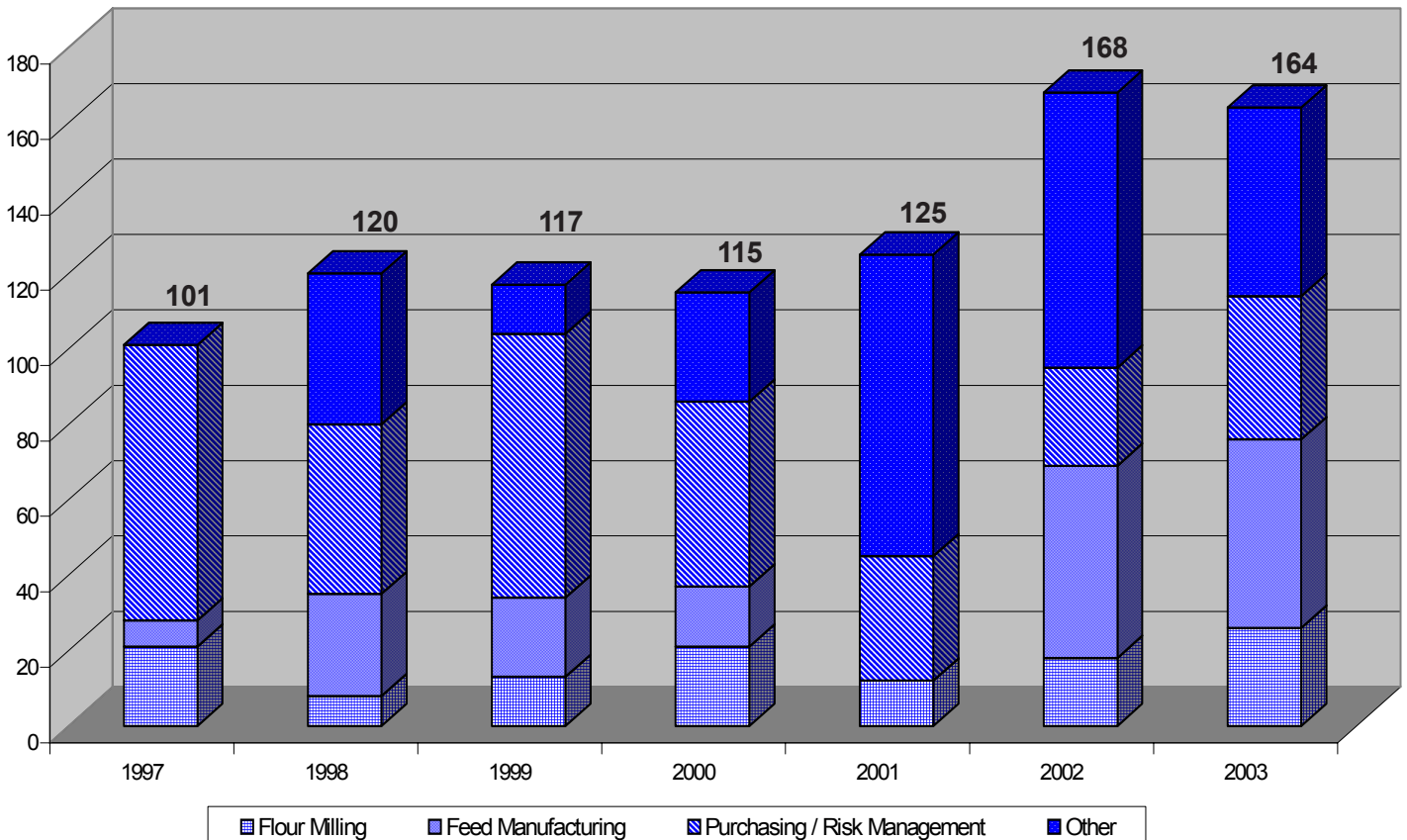
"We are especially fortunate to have Mark join us at the International Grains Program," said John Howard, IGP program administrator. "He brings with him a wealth of experience."

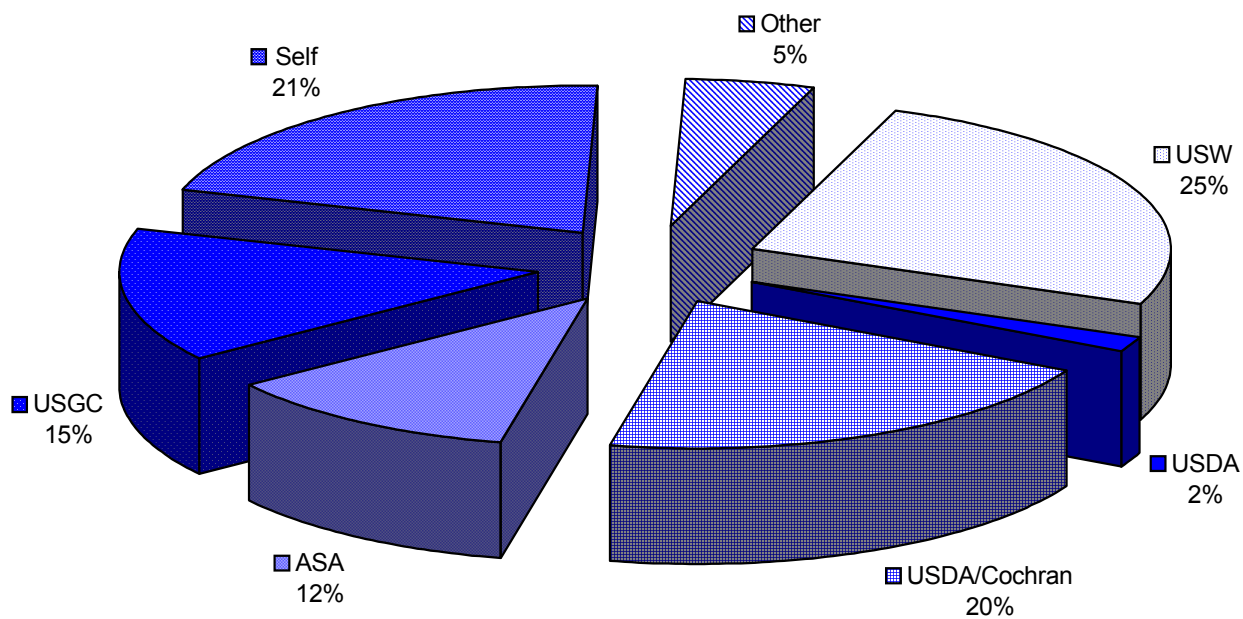
Fowler is active in the Association of Operative Millers. He graduated from K-State in 1992 with a milling science and management degree and is originally from Emporia, Kan.



PARTICIPANTS BY SHORT COURSE

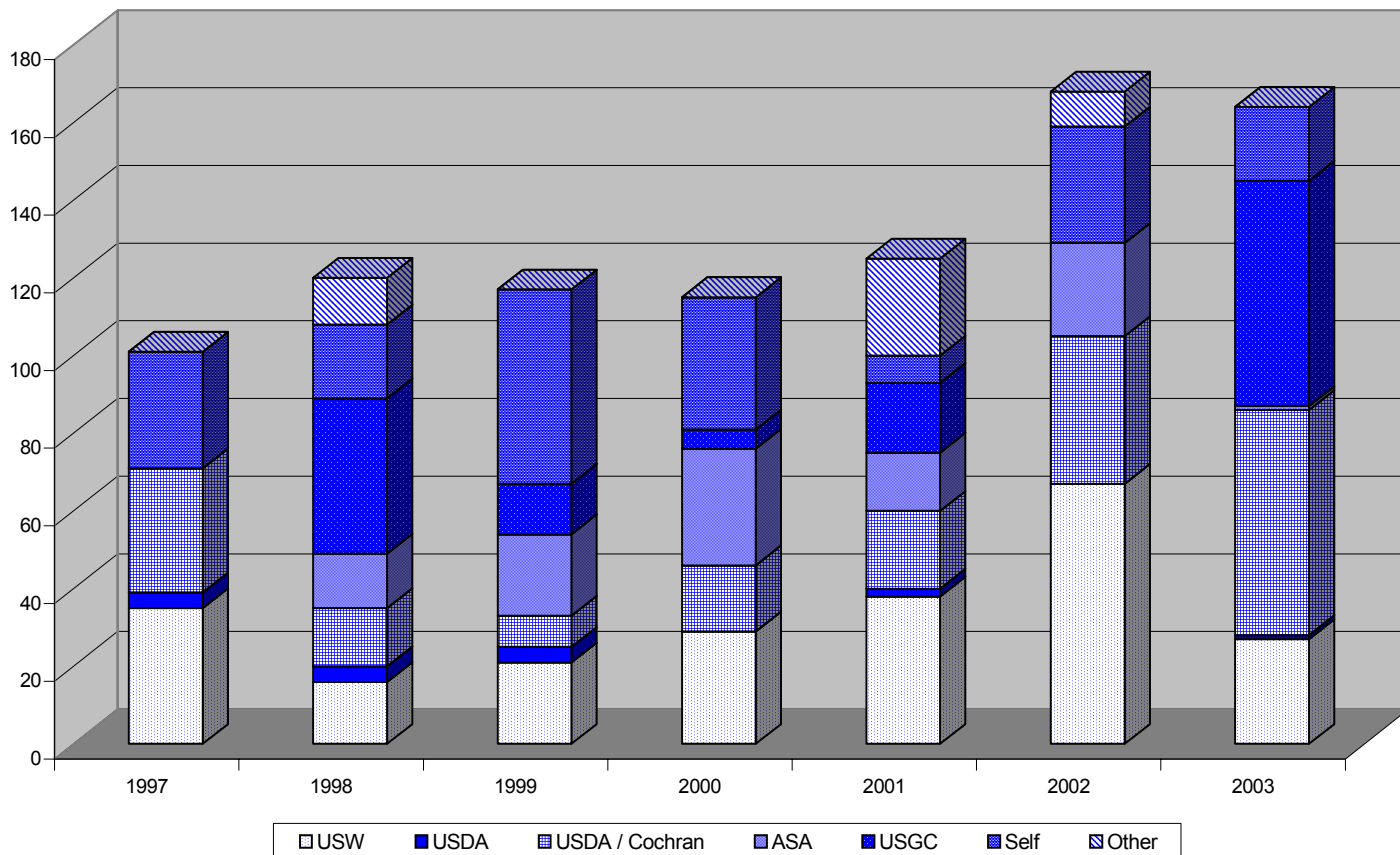
1997 - 2003





PARTICIPANTS BY SPONSORING AGENCY

1997 - 2003





Brendan Donnelly, IGP director and head of K-State's Department of Grain Science and Industry; expertise in wheat quality and pasta products.

John Howard, IGP program administrator; expertise in international grain market analysis and grain marketing.

Harvey L. Kiser, IGP senior agricultural economist; expertise in cash and futures markets, federal-farm programs, and grain standards.

Mark Fowler, IGP flour miller; expertise in flour milling technology, manufacturing and engineering.

Carl Reed, grain storage technologist; expertise in management of stored grain for quality maintenance in tropical and temperate climates, including aeration and IPM programs.

Robert Bennett, senior wheat quality scientist, expertise in cereal chemistry and wheat quality evaluation from production through the milling and baking process.

Cathy McGlothlin, IGP program administrative assistant.

Nicole Young, IGP student communications specialist.

Shelly Meyers & Katie Kuhlman, IGP student assistants.

IGP STAFF & FACULTY

Keith Behnke, professor and feed technology research scientist; expertise in feed processing as it affects animal nutrition.

Subramanyam Bhadriraju, professor; expertise in sampling and testing stored-product insects, management of stored-product pests with alternatives to pesticides, development and evaluation of integrated pest management programs for food and feed industries.

Dale Eustace, professor and milling technology research scientist; expertise in large- and small-scale wheat and corn milling and wheat conditioning.

Fred Fairchild, professor and feed and flour milling engineer; expertise in mill design and construction and equipment selection.

Ekramul Haque, professor and agricultural engineer; expertise in grain storage, processing and handling, and electrical power use.

Tim Herrman, state extension leader and associate professor; expertise in pre-harvest prediction of wheat quality, grain handling and storage, quality-oriented marketing of hard winter wheat, feed quality assurance and extension outreach.

Kendall McFall, flour miller/instructor; expertise in flour milling technology, product distribution, manufacturing and engineering safety, union negotiation, regulatory compliance, food safety, and personnel management.

IGP staff and faculty members are employed within Kansas State University's Department of Grain Science and Industry, and they facilitate much of IGP's annual training activities. The faculty members are world-class experts in the areas of grain handling, storage, processing, marketing, milling, entomology and management. IGP programs are also enhanced by faculty from other departments in the college of agriculture as well as faculty from other land grant universities. In addition, more than half of the lectures at IGP short courses are presented by industry representatives.



**International Grains Program
Conference Center**

Kansas State University
1980 Kimball Avenue Suite A
102 IGP Bldg.
Manhattan, KS 66506-7000 USA
www.ksu.edu/igp

Notice of nondiscrimination

Kansas State University is committed to a policy of nondiscrimination on the basis of race, sex, national origin, disability, religion, age, sexual orientation, or other nonmerit reasons, in admissions, educational programs or activities, and employment (including employment of disabled veterans and veterans of the Vietnam Era), all as required by applicable laws and regulations. Responsibility for coordination of compliance efforts and receipt of inquiries, including those concerning Title IX of The Education Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, and the Americans with Disabilities Act, has been delegated to Clyde Howard, director of affirmative action, 214 Anderson Hall, Kansas State University, Manhattan, Kansas 66506-0124, (785) 532-6220.