

# Grain Quality Newsletter

News and Highlights from NC-213: Marketing and Delivery of Quality Cereals and Oilseeds

Volume 21:1

Visit the NC-213 web site at: <http://www.oardc.ohio-state.edu/nc213>



## Calendar items of interest ...

### Upcoming events-

- **The NC-213 Summer Meeting - Summer Workshop** will be held August 8-10 at Big Sky Montana. Please see the Program Agenda in this newsletter.
- **Annual Progress Reports for 2001** are due December 14--this year our goal is to place the Annual Progress Report on the web site prior to the Winter Technical Meeting.
- **The Call for Papers will be announced shortly.** This will be announced via email with a preliminary Program Agenda for the Annual Meeting - Winter Technical Meeting.
- **The NC-213 Annual Meeting - Winter Technical Meeting** is scheduled for February 20 - 22, 2002, to be held in Kansas City, Missouri at The

## Fred W. Bakker-Arkema named Anderson Research Award Recipient

Fred W. Bakker-Arkema, Professor, Emeritus, Department of Biosystems Engineering, Michigan State University was named the recipient of the Year 2001 Anderson Research Award in recognition for outstanding accomplishments in the marketing and delivery of quality cereals and oilseeds.

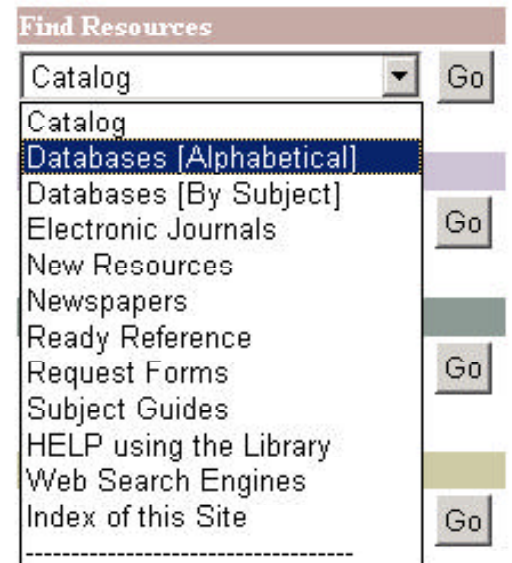
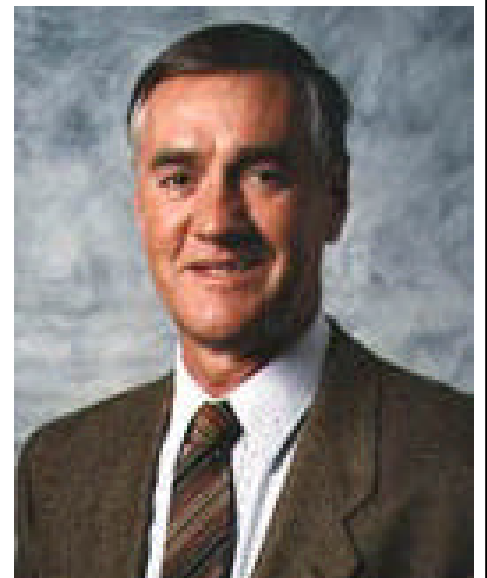
Professor Bakker-Arkema is known throughout the world as the United States' authority in grain drying. He has handled that role responsibly and well, providing technical guidance to countries with uncertain food supplies such as India, Vietnam and China.

Through his international work, Professor Bakker-Arkema has had a positive impact on the food supply in many places in the world. For example, in China there are more than one hundred full-scale concurrent-flow grain dryers - a type of dryer which he designed and developed. Thanks to Professor Bakker-Arkema's efforts, there now exists a Center for Post-harvest Technology in India where researchers are finding ways to curtail losses in the local food chain. The huge amount of grain exported from the United States to other countries is subject to quality standards which reflect his work. Almost all significant technical work in the transport or storage of grain has been impacted by Professor Bakker-Arkema's research. He is always in demand as a consultant and spends much time in third world countries advising governments on their food preservation and distribution problems. He was recently decorated by the Chinese government for his work.

Several generations of graduate students have known Professor Bakker-Arkema as their mentor. His bibliography records collaboration with more than eighty colleagues; many of his co-authors were once his graduate students. His graduate alumni are to be found in high places in industry, government and academia, on every continent, multiplying the influence of their professor. Not only has Professor Bakker-Arkema directly improved the lives of millions, but also through his former students he has started a self-help process that will improve food supply and living conditions for years to come.

Dr. Fred W. Bakker-Arkema's contribution to the repository of knowledge relating to the drying of biological products is massive: over 230 publications in all. Chief among his contributions is the textbook on the drying of crops, co-authored with Donald B. Brooker and Carl W. Hall. This book is recognized as the standard textbook in this important field and is used in engineering classrooms all over the world.

Professor Bakker-Arkema has been a long-serving member of ASAE. A Fellow of ASAE, his committee work has had two emphases: establishing ASAE's claim in food engineering and liaison with CIGR, the international commission of which ASAE is now an organizational member. As the only North American serving on the board of CIGR, Fred is a prominent figure on the international scene. Through his organizational work, Professor Bakker-Arkema has encouraged international work among ASAE members, and has assured future commitment to international collaboration.



Over the last two years Donna Schenck-Hamlin of Kansas State University has been developing a comprehensive literature database associated with cereals and oilseeds. This database can be accessed using a web browser and is located at: <http://www.ksu.edu/issa/databases.htm>. Donna, with input from Tim Herrman, has been keeping this database up to date and as such it represents a valuable research and educational tool. A search for 2001 titles quickly produced almost 300 citations! This is an NC-213 supported project and is there for your use.

## NC-213 Bids Farewell to A Member

Steve Mbuvi, IPG Lab Director, Illinois Crop Improvement Association, passed away Tuesday, April 24, 2001 after becoming a hospital patient following a fall, which resulted in a severe head injury.

At the time of the accident, Steve was helping install an air conditioner at his family's church. Steve had successfully completed the Boston Marathon on the preceding Monday, placing 504th out of over 14,000 runners.

Steve was 43 years of age and leaves his wife, Pauline, and four children.

The *Grain Quality Newsletter* is published and distributed at no charge to NC-213 (formerly NC-151) participants and supporters of research on "Marketing and Delivery of Quality Cereals and Oilseeds."

Send your contributions, comments, suggestions, and subscription requests to:

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## News Regarding the Upcoming NC-213 Summer Workshop.



Wednesday - August 8

5:00 PM Reception - Held at Summit at Big Sky - Peaks Room  
6:00 PM Banquet - Held at Summit at Big Sky - Peaks Room  
7:00 PM Keynote speaker: David Shipman  
*The Need for Identity Preservation and Product Segregation in the U.S. Grain Industry.*

Thursday  
- August 9

All Presentations held at the Amphitheatre - Yellowstone Conference Center

8:00 AM Welcome and Workshop Purpose. Dr. Mark Casada, NC-213 Chair  
Morning Session Moderator: Dr. Dirk E. Maier  
Session Focus: *End User Perspectives on Quality-Assured IP Grains.*  
8:15 AM *The InnovaSure Approach to the Delivery of Quality-Assured IP Food Corn.*  
Harry Frost  
8:35 AM *Quality-Assured IP Corn for the Snack Food Industry.* Lloyd Lipska  
8:55 AM *Delivery of Quality-Assured Soybeans from Producer to End User.* Jim Stitzlein  
9:15 AM *IP Procurement and Quality Assurance for Wheat.* Tom Willis  
9:35 AM Panel Discussion: Harry Frost, Lloyd Lipska, Jim Stitzlein, and Tom Willis.  
Session Focus: *Producer and Handler Perspectives on Quality-Assured IP Grains.*  
10:35 AM *Creating a Network of Certified IP Grain Producers and Handlers.* Nick Huston  
10:55 AM *The Importance of Auditing Producers and Handlers in a Successful Quality Management Program,* Larry Svajgr  
11:15 AM Panel Discussion: Nick Huston, David Shipman, Larry Svajgr  
Afternoon Session Moderator: Dr. Tim Herrman - Session Focus: *Quality Management Systems: Verification Issues.*  
1:15 PM *Creating Documented Quality Certification Procedures for Grain Handling Facilities.* Tim Sullivan  
1:35 PM *Verification Protocol for America's Best Pork and Potential Strategies for Grain.* Bill Grande  
1:55 PM *Identifying Control Points for Quality-Assured IP Grain Production and Delivery.* Dirk E. Maier  
2:20 PM Panel Discussion: Bill Grande, Dirk Maier, and Tim Sullivan.  
2:50 PM Breakout Session: *Mapping Control Points in an IP Grain Production and Delivery System.*  
4:00 PM *Wrap Up and Workshop Review.* Dr. Mark Casada

The NC-213 Summer Meeting is being held at Big Sky Resort, Big Sky, Montana. The purpose of the NC-213 Summer Meeting is to interact directly with private industry to gain insight into current issues and problems. The topic for this year's meeting is Certifiable Quality Management Systems for the U.S. Grain Handling Industry.

Friday - August 10

8:30 AM Depart for Montana State University-Bozeman. Tour the Cereal Quality Lab. "Follow the Grain—from conception to consumption."  
"Milling Alternative Grains."  
Noon Lunch at Wheat Montana Farms & Bakery. This visit will include a tour of the baking facility and a tour of the storage facilities.

### New Administrative Advisor Selected for NC-213

Dr. Steven A. Slack, Associate Vice President for Agriculture Administration and Ohio Agricultural Research and Development Center Director, was appointed Administrative Advisor for NC-213. Dr. Slack replaced Dr. Thomas Payne in this position. Steve Slack received his B.S. and M.S. degrees from the University of Arkansas-Fayetteville and his Ph.D. degree from the University of California-Davis in 1974. He joined the Cornell faculty as the Henry and Mildred Uihlein Professor of Plant Pathology and was department chair from 1995-1999. In October of 1999, he joined The Ohio State University. His major area of research interest has been seed potato pathology, especially the epidemiology of viral and bacterial diseases and tissue culture propagation techniques. Steve has been president of the Potato Association of America.

