

Grain Quality Newsletter

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

Volume 22:3

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



Calendar items of interest ...

Upcoming events and issues:

- This year, submissions for the Annual Report of Progress are due Friday, December 20. If you are planning on presenting at the Annual Meeting - Winter Technical Session, you are encouraged to submit your presentation so that it can be included in the Annual Report of Progress. For assistance in formatting your Report, please visit the NC-213 web site, and scroll down to the "Formatting Instructions for your Annual Progress Report" section.
- The NC-213 Annual Meeting-Winter Technical Session is scheduled for February 5 and 6, 2003. It will be held in Indianapolis, Indiana at University Place Conference Center & Hotel. This Meeting is being held in Indianapolis in honor of the 25th Anniversary of NC-213 and to give local institutions and industries the opportunity to experience NC-213.

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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Preliminary Program Agenda for the upcoming Annual Meeting/ Winter Technical Session. *Please visit the NC-213 web site for the latest Program Agenda.*

Wednesday, February 5, 2003:

11:30 AM – 1:00 PM: Executive Board Meeting (closed) with Industry Advisory Committee.

1:00 - 5:00 PM: Registration/Technical Sessions.

Presentations by Recipients of 2001 Anderson Research Grant Program - First Year Report

Richard Strohine, Purdue University "Storability Measurement of Shelled Corn as a Means of Improving Stored Grain Management Practices and Preventing Losses."

Bill Wilcke, University of Minnesota "Using Temperature and Humidity to Control Indian Meal Moth Larvae in Stored Grain Facilities."

Dirk Maier, Purdue University "Implementation of Carbon Dioxide Monitoring for Early Detection of Grain Spoilage."

Florence Dunkel and Matthew Broughton, University of Montana and Lloyd Bullerman, University of Nebraska "Using Varietal Differences in Post Harvest Insect Resistance of Northern Great Plains Hard Spring and Winter Wheat Varieties to Increase Profit Potential."

Eluned Jones, Texas A & M "A Decision Support System for Mid-Atlantic Wheat Producers to Locate Value in the Supply Chain."

Presentation by Recipients of 2000 Anderson Research Grant Team Competition Program – Second Year Report

Tim Herrman, Kansas State University and Dirk Maier, Purdue University "Grain Facility System Analysis to Improve Adoption of Value-Enhanced Grain Handling and Marketing in the U.S."

Objective Presentations.

6:00 – 9:00 PM: Reception/Banquet/Presentations

Marvin Paulsen and Lowell Hill – "25 Years of NC-151/213 Grain Quality History and Its Impact."

The Anderson Research Award Recipient for 2003 presentation.

Keynote Speaker: "The Importance of Grain Quality for Dry Milled Food Ingredients." Will Duensing, Manager, Bunge Milling, Danville, Illinois.

Thursday, February 6, 2003 - 8:00 AM – 12:00 (Noon)

Objective Presentations.

12:00 – 1:30 PM: NC-213 General Business Meeting/Lunch.

Adjourn



Dirk Maier, Professor and Extension Agricultural Engineer - Agricultural & Biological Engineering - Purdue University distributed this information relating to Purdue Extension.

GRAIN DRYING

This is a year when quantity and quality of corn and soybean crops vary significantly across the Midwest. Despite drought conditions in some areas, farmers will be harvesting higher moisture corn in other areas. Dirk's area has fielded numerous questions about grain drying during the pre-harvest season, and attendance at company-sponsored grain drying clinics has been much improved over those held in past years. In response, the Grain Quality Fact Sheet #15 entitled "Optimizing Grain Dryer Operations" has been revised and updated. Please replace your outdated copies you may have in your files (dated September 24, 1993) with the new version. The new version is available from the Grain Quality website.

GRAIN QUALITY WEB SITE

For those of you who have not visited the website (www.GrainQuality.org) in a while, you will find fact sheets relating to grain quality, drying, storage, handling and identity preservation; they are posted under the "Extension Publications" link. All related publications available on the internet, are linked, from any credible source as well. This website is a useful "one-stop" resource. If you are aware of other publications that have not been listed, please let Dirk know.

CORN CHANNELING

Concerns related to genetically modified traits in certain end use markets continue to be a challenge for the U.S. grain industry. Thus, Purdue Extension has teamed up with their colleagues in Illinois and Iowa, as well as respective grain & feed associations and corn producer organizations to develop and publicize a poster that reminds farmers to "Know Where to Go!" This effort is primarily targeted at farmers who planted Roundup Ready corn and who are obliged by contract to deliver (channel) their corn only to elevators and buying stations that have agreed to accept RR corn. This campaign is highlighted on the homepage (www.GrainQuality.org) from where you can access the database of accepting U.S. sites as well as download and print a nice color mini poster. For a full size poster, contact Darren Jarboe at Iowa State University (www.iowagrains.org)

Advance notice: International Quality Grains Conference: an NC-213 Event.

INTERNATIONAL QUALITY GRAINS CONFERENCE

A Global Symposium on Quality-Assured Grains and Oilseeds for the 21st Century

JULY 19 - 22, 2004

University Place Conference Center and Hotel Indianapolis

An international conference organized by the

U.S. Quality Grains Research Consortium (NC-213)

** CONFERENCE OVERVIEW **

The **objectives of this International Quality Grains Conference** are to present current research-based knowledge on:

- 1) Measurement technologies to quantify agronomic, quality and end use traits of cereals and oilseeds,
- 2) Best management practices to assure the identity/purity and integrity/quality of cereals and oilseeds during the production, harvest, handling, post-harvest, and processing operations, and
- 3) Management approaches to meet customer needs for the identity preservation, certification, and tracking of cereals and oilseeds in the evolving global market place of differentiated products.

Conference Purpose: The need and timeliness of this International Quality Grains Conference exists because of the emergence of a global marketplace for differentiated products that requires the traditional commodity-based production, handling and processing industry to adopt new practices that will assure the purity and quality of cereals and oilseeds from seed to consumer. The importance of molecular biology in variety development has had a significant impact on the production, handling, marketing and delivery of cereals and oilseeds. Continuing expansion of markets for value added crops (developed through genetic engineering as well as traditional breeding) requires rapid purity and quality detection technologies, and development and adoption of best management practices and quality management systems that are practically achievable, economically viable and fully accepted in the global marketplace. This conference will present the newest research and knowledge that address these issues through keynote, oral and poster presentations, and special topic workshops. Commercial tabletop exhibits, and pre and post tours into the U.S. Grain Belt will also be organized.

Participants & Presenters: Participants and presenters at this International Quality Grains Conference will include the leading scientists, engineers, economists, and professionals from academia, government and the agricultural and food/feed industry involved in the production, handling and utilization of cereals and oilseeds, and the manufacturing of grain-based foods and feeds from throughout the world. Representatives from the agricultural and food/feed industry (including equipment, biotechnology and service suppliers; grain producers, handlers and processors; and food and feed manufacturers), producer organizations, certification agencies, grain inspection services, universities, research institutes, and international trade policy groups from throughout the world are invited to participate.

Conference Background: In 1990 the University of Illinois together with NC-213 and several other organizations hosted Uniformity by 2000 - An International Workshop on Maize and Soybean Quality. Over 120 participants from 16 countries were in attendance. The objective of that workshop was to identify areas of international agreement on uniform definitions and measurement technologies of corn and soybean characteristics that determine quality. Since then many new scientific and technological advances in grain and oilseed production, handling and delivery have been made and new issues related to the definitions, measurement technologies, segregated handling practices, certification, tracing, and identity preservation of conventional and transgenic grains and oilseeds have emerged. These changes form the basis to bring experts from around the world together to review advances, study the issues and push the frontiers in the production, handling and delivery of quality grains and oilseeds.

Registration Fees: \$385 early registration fee plus social events, meals and lodging. The registration fee includes attendance at the Scientific Program, Trade Exhibition, refreshment breaks, and an e-copy of the Conference Proceedings. A re-

duced student rate will be available. The late registration fee will be \$435.

Hotel Information: The conference hotel will be the University Place Conference Center and Hotel on the campus of Indiana University - Purdue University downtown Indianapolis. The single occupancy room rate is \$120 plus sales tax.

Session Topics: The core program will be divided between plenary lecture sessions on the major issues relating to the three conference objectives, and poster sessions and workshops that will be given prominence as discussion forums for new findings. All papers will be published in the Conference Proceedings. All authors will be encouraged to address the conference theme of **Quality-Assured Cereals and Oilseeds for the 21st Century**.

For Conference Time Line, Conference Sponsorship Opportunities, and to view the Conference Organizing Committee, please visit the Grain Quality web site at: <http://www.grainquality.org>. You may also contact Dr. Dirk E. Maier (maier@purdue.edu), Conference Coordinator at Purdue University or Bill Koshar (koshar.3@osu.edu), Administrative Associate, The Ohio State University.

WHITE PAPER ON

TRACEABILITY IN THE U.S. GRAIN AND PLANT PROTEIN FEED INGREDIENT INDUSTRIES

BACKGROUND

The EU General Food Law Regulation EC No 178/2002 will introduce a broad non-prescriptive traceability requirement that includes all food and feed business operators in the European Union. The new legislation (EC No 178/2002) establishes a legal framework for tracing raw materials from production to final consumption.

Traceability, defined in the European Commission (EC) regulation No 178/2002, "means the ability to trace and follow a food, feed, food-producing animal or substance intended to be or expected to be incorporated into a food or feed, through all stages of production, processing and distribution."

The regulation further specifies under Article 18, "Food and feed business operators shall be able to identify any person from whom they have been supplied with a food, a feed, a food-producing animal, or any substance intended to be, or expected to be, incorporated into a food or feed. To this end, such operators shall have in place systems and procedures which allow for this information to be made available to the competent authorities on demand."

To retain their comparative advantage in the global market and address domestic food safety and quality issues, the U.S. grain producers and handlers are implementing...

Would you like to receive a copy of this White Paper? Contact the Administrative Advisor's office, or Tim Herrman, Extension State Leader Grain Science and Industry, Kansas State University, Manhattan, KS 66506-2201 - tjh@wheat.ksu.edu

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