

# Grain Quality Newsletter

News and Highlights from NC-213: Management of Grain Quality and Security in World Markets.

Volume 25:1

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



## Calendar items of interest ... Upcoming events and issues:

- **Andersons Research Grant Program: Team Competition:** The results will soon be announced. The deadline for submission is April 1. This year up to three team proposals will be funded and will receive up to \$75,000 per year for two years (total \$150,000).
- **The New Frontiers in Grain Quality Technology and Informatics:** A National Roundtable will be held April 13 to 15 at the Hotel Intercontinental, New Orleans. For more details, please visit the web site at: <http://www.grainqualitytechnology.org>.
- **The Feed Industry HACCP training** will be held May 17 to 19 at the Raddison Hotel in Fort Worth, Texas.
- **The NC-213 Summer Workshop** is tentatively scheduled for August. The workshop will focus on the Organic Stored Products Workshop at Purdue. More information will be distributed.
- **The NC-213 Annual Meeting/Technical Session** is scheduled for February 28 to March 1, 2006, and will be held in Nashville, Tennessee. More information will be available.

The Grain Quality Newsletter is published and distributed at no charge to NC-213 (formerly NC-151) participants and supporters of research on "Management of Grain Quality and Security in World Markets."

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



F. William Ravlin  
Grain Quality Newsletter  
The Ohio State University  
OARDC  
1680 Madison Avenue  
Wooster, OH 44691-4096  
e-mail: [ravlin.1@osu.edu](mailto:ravlin.1@osu.edu)

## Purdue Grain Expert Receives Andersons Research Award

The prestigious Andersons Research Award was presented to Richard Stroshine of Purdue University at the NC-213 meeting in Kansas City, Missouri.

The NC-213 Annual Meeting/Winter Technical Session was held February 23 and 24 at the Embassy Suites Hotel at the Kansas City Airport.

Stroshine has established a strong record of professional accomplishments that has significantly contributed to the definition, improvement, and preservation of grain quality.

In reviewing potential recipients for the Andersons award, the committee took into consideration Richard Stroshine's contributions to research. His research interests are in the physical properties of agricultural and biological materials and food products, processing of agricultural and biological materials, quality measurement, and sensor development.

His primary contributions to grain quality research have been in physical properties of grains and oilseeds, drying characteristics of different corn hybrids, and measurement of the storability of different corn hybrids.

In addition, Stroshine is the author of a text book entitled *Physical Properties of Agricultural Materials and Food Products*.

NC-213 Chair, Marvin Paulsen, University of Illinois at Urbana-Champaign, lead the Executive Committee Meeting on Wednesday.

The Technical Session included 15 presentations and one panel discussion lead by Charlene Wolf-Hall, North Dakota State University, titled *Identifying Areas of Need Where Teaching and/or Outreach Programs Could Be Developed to Reach a Wider NC-213 Audience*.

In addition, presentations were given by recipients of The Andersons Research Grant Programs, Regular and Team Competition.

The Executive Committee for the coming year is as follows: Chair, David Jackson, University of Nebraska-Lincoln; Vice Chair, Michael Montross, University of Kentucky; Secretary, Charlene Wolf-Hall, North Dakota State University, and Past Chair, Marvin Paulsen, University of Illinois-Urbana. Approximately 45 NC-213 participants and individuals from industry attended the Annual Meeting.

This year, NC-213 members had the opportunity to meet in conjunction with Wheat Quality Council members who were attending their annual meeting at the same site. In addition, NC-213 participants attended the Wheat Quality Council's Dinner. The keynote address was given by Brian Walker, Horizon Milling, Minneapolis, whose presentation was titled *What Are We Going to Eat Next?*

## Plan to Attend the Third International Wheat Quality Conference in May

Want to learn more about the unique qualities and characteristics of wheat? Want to be up-to-date on recent research into rapid prediction of wheat quality? Want to learn more about the role of whole wheat in cancer suppression? Then make your plans now to attend the Third International Wheat Quality Conference to be held at the Holiday Inn in Manhattan, Kansas, on May 22 to 26, 2005.

The conference is organized by the Grain Industry Alliance, Kansas State University, the American Institute of Baking, and the USDA-ARS-Grain Marketing and Production Research Center. Co-organizers are the American Association of Cereal Chemists and the International Association for Cereal Science and Technology. Okkyung Kim Chung and George L. Lookhart are the Conference Co-Chairs.

The topic for the banquet address is Cancer Suppression Benefits from Whole Wheat. The speaker will be Ronald L. Madl, Director, Bioprocessing and Industrial Value Added Programs (BIVAP), and Past President, Grain Industry Alliance (GIA).

The Distinguished Service Award and the Distinguished Career Award for Wheat Quality Improvement will be presented during the conference.

The conference features a number of outstanding sessions led by top-ranked speakers.





## Brazilian Leaders Seek Information on Grain Storage

**Eight Brazilian government and university officials were guests of the Purdue University Post-Harvest Education and Research Center (PHERC) for a five-day workshop during December on Grain Storage Facilities Certification.**

Group members were from the Ministry of Agriculture in Brasilia responsible for livestock and food supply; from the Brazilian Strategic Grain Reserve; the Ministry of Development, Industry, and Foreign Trade in Brasilia responsible for standardization and industrial quality; and the National Grain Storage Training Center of the University of Viscosa (Minas Gerais).

This Brazilian task force has been on a two-week

mission to the United States and Canada to study how grain storage facilities are regulated, licensed, and certified. The group was also interested in how we manage the segregation of different grain types — including GMO and non-GMO, specialty from commodity grain types, industrial from food and from feed grain types, etc. — and what traceability and quality management systems are being used or are currently under development.

The Purdue workshop was organized by Dr. Dirk Maier and included sessions on campus and field trips to companies and farms.

Speakers were from the USDA Federal Grain Inspection Service, the Indiana Grain and Feed Association, the Indiana Grain Buyers and Warehouse Licensing Agency, the Indiana Crop Improvement Association, Iowa State University (Dr. Charlie Hurburgh), Purdue University, as well as company representatives from National Starch and Chemical Co. (Indianapolis), CropVerifeye (Ft. Wayne), and Clarkson Grain (Cerro Gordo, Ill.), and two major specialty grain farms (Tip Top Farms in Brookston and Randy Weber Farms in Ambia).

Purdue University speakers included Dr. Maier and Dr. Daniel Ess. Other PHERC staff involved in hosting the group were Kathy Brewer, Umit Karaca, Dinesh Garg, and Dr. Raj Hulasare.

## Clear, Defined Impact Statements Are Important in Research Reports

Each fall NC-213 participants submit Annual Progress Reports on research. Information provided covers Results for the Current Year, Plans for the Coming Year, Issues Covered, What Was Done, and Impacts.

The Impacts are a critical part of the Progress Reports, as this area is the focus during Mid-Term Reviews and for the Annual Report SAES 422. Researchers are encouraged to give clear and defined Impact statements.

When drafting impact statements, keep in mind this definition of *Impact*: The economic, social, health, or environmental consequences derived as benefits for the intended users. These are usually quantitatively measured, either directly or indirectly, as indicators of benefits would be, "NC-### scientists improved human nutrition for 15,000 individuals through...." An example of an impact would be improved human nutrition for so many individuals through genetically engineering rice to contain the precursors to vitamin A.

Adhering to this outline will greatly aid our Multistate Research Project.