

Grain Quality Newsletter

News and Highlights from NC-213: Marketing and Delivery of Quality Grains and BioProcess Coproducts.

Volume 33:3

NC-213 The U.S. Quality Grains Research Consortium

International Events

November 2013

- 5–8 November: "24th Annual IAOM Mideast and Africa District Conference and Expo." Mövenpick Resort & Marine Spa Sousse. Sousse, Tunisia. Contact: Ms. Eva Mulyana, Conference Manager. IAOM MEA District, P.O. Box 566, P.C. 112 Ruwi, Muscat, Sultanate of Oman. Email: info@iaom-mea.com, Web: www.iaom-mea.com, www.iaom-mea.com/tunisia2013 OR Ms. Shannon Henson, Director of Meetings and Exhibits. IAOM, International Association of Operative Millers. 10100 West 87th Street, Suite 306 Overland Park, KS 66212 USA. Email: shannon.henson@iaom.info, info@iaom.info, Web: www.iaom.info
- 5–9 November: "2013 Annual Conference & Exhibition Functional Foods, Nutraceuticals, Natural Health Products and Dietary Supplements." Howard Civil Service International House. Taipei, Taiwan. Contact: ISNFF. Email: isnffsecretary@gmail.com, Web: http://isnff.org, http://isnff.org/files/ISNFF%202013%20Flyer-1-1.pdf
- 7–9 November: "8. Food Engineering Congress." Ankara, Turkey. Contact: Chamber of Food Engineers. Meşrutiyet Cad. No: 22/13 Kızılay, Çankaya, Ankara, Turkey. Email: kongre@gidamuhendislikkongresi.org, Web: www.gidamuhendislikkongresi.org, www.gidamo.org.tr
- 12–14 November: "TGDF Food Congress, 2011—10 to 100th Year." Sueno Otel. Side, Antalya, Turkey. Contact: Mr. Ali Reşat Yılmazbilen. COMART Kurumsal İletişim Hizmetleri Ltd. Şti. Ceyhan Atif Kansu Cad. 1386. Sok. No: 8 Kat: 2 Balgat, Ankara, Turkey. Email: aliresat@comart.com.tr, Web: www.gidakongresi.com
- 13–14 November: "64th JTIC International, The Milling & Cereal Industry Meeting. Annual French Conference for the Cereal Industries (JTIC)." Reims, France. Contact: Email: aemic@wanadoo.fr, Web: www.jtic.eu
- 19–21 November: "Fi Europe & Ni 2013, Food Ingredients & Natural Ingredients Europe 2013." Messe Frankfurt. Frankfurt, Germany. Contact: UBM Live. Matthias Baur. Tel: + 31 (0) 20-40 95 530, Email: matthias.baur@ubm.com, Web: www.foodingredientsglobal.com, www.ingredientsnetwork.com

February 2014

- 12–15 February: "Biofach 2014, World Organic Trade Fair." Nurnberg, Germany. Contact: Web: www.biofach.de, www.ask-biofach.de, www.feustelfairs.com.tr

List of events provided by:
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Send your contributions, comments, suggestions, and subscription requests to:



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NC-213 Annual Meeting—Mark Your Calendar Now! Reserve Your Presentation Slot Now!

The NC-213 Executive Committee, led by Klein Ileleji, Purdue University, is excited to announce that the 2014 NC-213 Annual Meeting will be held February 25–26, 2014, at the Hilton Omaha, in conjunction with GEAPS Exchange 2014. Here is a "snapshot" of the meeting's program:

Tuesday, February 25		Wednesday, February 26	
7:00 a.m.	Registration opens for GEAPS Exchange 2014	8:00 a.m.	Registration opens for NC-213 Annual Meeting/ Technical Sessions 2014
7:30 a.m.	Educational Sessions open for GEAPS Exchange 2014	Mid a.m.	Break
Noon	Registration opens for NC-213 Annual Meeting/Technical Sessions 2014	8:00 a.m.	NC-213 Technical Sessions open/NC-213 Business Meeting/NC-213 lunch for registered participants
Noon	Boxed lunches available for NC-213 participants	Around noon	Buffet lunch
1:00 p.m.	NC-213 Technical Sessions open	3:00 p.m. (Tentative)	NC-213 Annual Meeting adjourns
5:00 p.m.	NC-213 Technical Sessions end		
6:00 p.m.	GEAPS Exchange pre-dinner reception (cash/ticket bar)		
6:30 p.m.	President's Banquet		
8:30 p.m.	Club GEAPS		

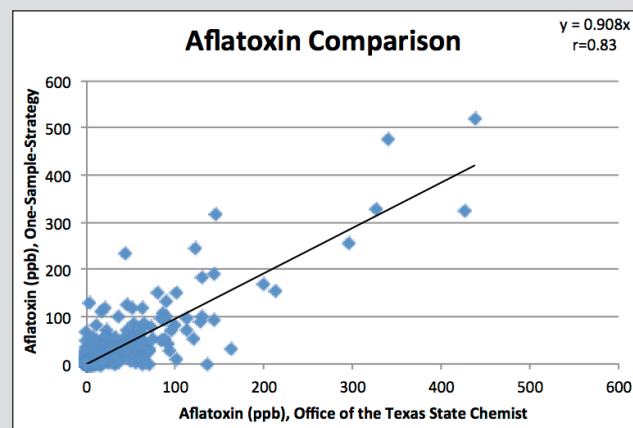
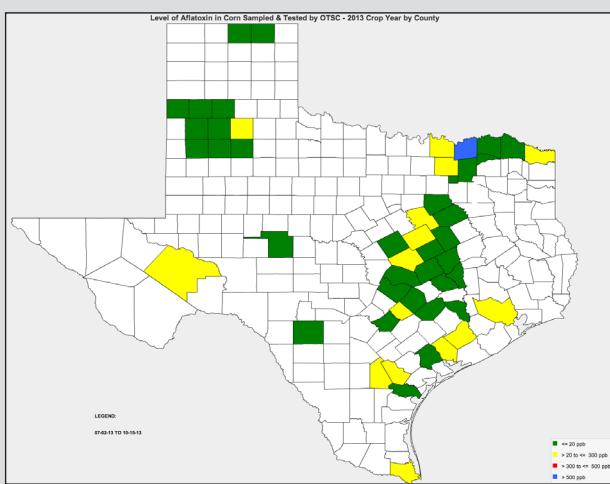
*Please note: The NC-213 Executive Committee will be holding their annual executive meeting prior to this annual meeting. Special note: If you would like to present, please reserve your slot now! We don't need a title or presenter name. There are still slots available for presentations. Please contact Bill Koshar at koshar.3@osu.edu to reserve your slot.

Aflatoxin Risk Management in Texas: 2013 Harvest Update

The Office of the Texas State Chemist initiated an aflatoxin co-regulation effort in 2011 referred to as the One-Sample Strategy. The Office sought and received approval by the Risk Management Agency to accept "Report of Analysis" performed by OTSC designees for crop insurance settlements between corn growers and their insurers. These analytical results are also used by OTSC for regulatory purposes and grain handlers for purchasing, storing and selling corn.

In 2013, 29 facilities are participating in the program. The individuals who perform the One-Sample Strategy program at these facilities are approved by OTSC as official designees. The designees receive annual training and must demonstrate their capability to test corn for aflatoxin. OTSC field investigators monitor progress of these designees through weekly audits during the corn harvest.

A comparison between OTSC and designees analytical results are highly correlated ($r=0.83$) and the average deviation is 24%. These results demonstrate that most of the corn harvested to date is below 100 ppb aflatoxin. Reports by county are mapped as they become available and may be viewed on the OTSC website at: <http://mycotoxinbmps.tamu.edu/mapsupdate.aspx>.



The adoption of the co-regulation strategy by OTSC and the Texas grain and feed industry represents a significant shift in aflatoxin risk management. This new approach is prevention based and places greater responsibility on the firm to implement practices to protect the safety of the food supply. The One-Sample Strategy also increases the workload on the OTSC field investigators and management team to perform more training and record inspection. The OTSC Agricultural Analytical Services validates aflatoxin test kits and creates working standards for program participants.

The primary benefit of a co-regulation strategy is improved risk management. This leads to greater legal certainty for firms, improved service to customers, improved food safety, and the fewer market disruptions from out-of-compliance product. Firms participating in the One-Sample Strategy are listed on the OTSC website: <http://otscweb.tamu.edu/risk/OneSample/>.

Kansas State University Update: Short Course and Awarded Grant

Short Course: Bulk Solids Handling, Storage and Flow at the Department of Grain Science and Industry, Kansas State University, November 11–14, 2014. To register visit: <http://www.grains.k-state.edu/igp/>

Awarded Grant: Training on Advanced Methods of Grain Dust Control within the Grain Handling and Processing Industry, U.S. Department of Labor (OSHA Susan Harwood Grant), \$104,901, PIs: Kingsly Ambrose, Dirk Maier, Heather Cook, Carlos Campabadal and Brandi Miller; Department of Grain Science and Industry, Kansas State University.

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Texas A&M University Online Courses of Interest to NC-213 Participants

Texas A&M University is offering many online courses for Spring 2014. Here is a list of offerings:

Feed Industry HACCP: <http://www.feedhaccp.org/>

Regulatory Science Methodology in Food Systems: <http://regsci.tamu.edu/>

Laboratory Quality Systems: <http://regsci.tamu.edu/>

Managerial Economics for Regulatory Science: <http://regsci.tamu.edu/>

Questions? Please contact Tim Herrman tjh@otsc.tamu.edu or the NC-213 Administrative Advisor's office at koshar.3@osu.edu.

NC-213 Awards

Greetings: The NC-213 Awards Committee invites you to submit nominations for the 2014 Andersons Cereals and Oilseeds Award of Excellence and for the 2014 Andersons Cereals and Oilseeds Early-in-Career Award of Excellence. **The deadline for nominations is noon, Friday, January 17, 2014.** Please contact Carol Jones if you need assistance with a nomination—don't hesitate to nominate someone simply because you are not sure you can get all of the materials together in time.

The Andersons Cereals and Oilseeds Award of Excellence

Description

The Andersons Cereals and Oilseeds Award of Excellence, created in 1999, recognizes individuals or teams that have made superior contributions to science and/or education related to cereals and oilseeds.

Eligibility

Nominees for The Andersons Award:

1—Must demonstrate a well-documented history of superior contributions to science and/or education related to cereals and oilseeds.

2—Can be associated with a university, and it is desirable that the nominee be from private industry or a state or federal agency. A team award is also encouraged. Nominee need not be a member of NC-213.

Nomination Package

Nomination packages must include the following:

1—Not more than three letters of support including at least one letter from private industry.

2—A statement that describes the nominee's background, contributions and impacts on the cereal and oilseed industry, research community, or educational programs (maximum five pages, single-spaced, 12 point font)

3—A complete curriculum vitae/resume.

Any past nominations less than two years old (includes those from 2012 and 2013) will be automatically included. Any past nomination may be updated by the nominator if desired. We will announce the 2014 Andersons Cereals and Oilseeds Award of Excellence winner at the NC-213 Annual Meeting on Tuesday, February 25, 2014, in Omaha, Nebraska.

Review

The NC-213 Awards Committee will solicit and review nomination packages.

Award Date

The Andersons Cereals and Oilseeds Award of Excellence will be presented during the annual meeting of Multistate Project NC-213, "Marketing and Delivery of Quality Grains and BioProcess Coproducts" (NC-213—The U.S. Quality Grains Research Consortium). For 2014, this will be Tuesday, February 25, 2014, in Omaha, Nebraska.

2014 Nomination Instructions

Submit nominations by: Noon, Friday, January 17, 2014

Email nominations to: Dr. Carol Jones, Oklahoma State University, jcarol@okstate.edu

Send copy to: Bill Koshar, koshar.3@osu.edu

This award is an important tradition of NC-213 and it provides an excellent opportunity to honor our colleagues for superior contributions to science and/or education related to quality of cereals and oilseeds. Past award winners are listed below.

1999—Lowell Hill	2004—Florence Dunkel	2009—David Jackson
2000—Charles Hurburgh	2005—Richard Stroshine	2010—Lawrence Johnson
2001—Fred Bakker-Arkema	2006—Donald Wicklow	2011—Floyd Dowell
2002—Marvin Paulsen	2007—Dirk Maier	2012—Subi Bhadriraju
2003—Lloyd Bullerman	2008—Tim Herrman	2013—Mark Casada

The Andersons Cereals and Oilseeds Early-in-Career Award of Excellence

Description

The Andersons Early-in-Career Award recognizes individuals early in their careers whose work has significantly contributed to improvements in science, innovation, technology implementation, policy formation, and/or education related to quality of cereals and oilseeds from processing to consumption, and who show outstanding promise of continuing those contributions into the future.

The award will consist of a \$500 honorarium for presenting an invited presentation at an NC-213 meeting or NC-213-related event on a topic consistent with NC-213 objectives.

Eligibility

Nominees for the Early-in-Career Award:

1—Must have become associated with NC-213 within the past five years, have worked in their current position level no more than 10 years, and be no more than 40 years old as of January 1 of the year the award will be given.

2—Can be associated with a university, private industry, or a state or federal agency.

Award Criteria

1—Significant contributions in science, innovation, technology implementation, policy formation and/or education related to quality of cereals and oilseeds from processing to consumption.

2—Shows outstanding promise of continuing those contributions into the future.

Nomination Package

Nomination packages must include the following:

1—Up to three letters of support from academic, government and/or industry personnel.

2—A statement that describes the nominee's background, contributions and impacts on the cereal and oilseed industry, research community, or educational programs (maximum two pages, single-spaced, 12 point font). This should include contributions specifically related to NC-213.

3—A complete curriculum vitae/resume.

Review

The NC-213 Awards Committee will solicit and review nomination packages.

Award Date

The Andersons Early-in-Career Award will be presented during the annual meeting of Multistate Project NC-213, "Marketing and Delivery of Quality Grains and BioProcess Coproducts" (NC-213—The U.S. Quality Grains Research Consortium). For 2014, this will be Tuesday, February 25, 2014, in Omaha, Nebraska.

2014 Nomination Instructions

Submit nominations by: Noon, Friday, January 17, 2014

Email nominations to: Dr. Carol Jones, Oklahoma State University, jcarol@okstate.edu

Send copy to: Bill Koshar, koshar.3@osu.edu

Research Update from USDA, ARS

Arthur, F.H. 2013. Dosage rate, temperature, and food source provisioning affect susceptibility of *Tribolium castaneum* and *Tribolium confusum* to chlorfenapyr. *J. Pest. Sci.* 86: 507–513.

Arthur F.H., L. Starkus, C.M. Smith, and T.W. Phillips. 2013. Methodology for determining susceptibility of rough rice to *Rhizopertha dominica* (L.) and *Sitotroga cerealella* (Olivier). *J. Pest Sci.* 86: 499–505.

Feng Xu, Jianming Yu, Tesfaye Tesso, Floyd Dowell, and Donghai Wang. 2013. Qualitative and quantitative analysis of lignocellulosic biomass using infrared techniques: A mini-review. *Applied Energy.* 104: 801–809.

Mkandawire, N.L., R.C. Kaufman, S.R. Bean, C.L. Weller, D.S. Jackson, and D.J. Rose. 2013. Effect of condensed tannins from sorghum (*Sorghum bicolor* (L.) Moench) on *in vitro* starch digestibility and α -amylase activity. *J. Agric. Food Chem.* 61: 4448–4454. Devin Rose, University Nebraska–Lincoln, was the corresponding author on this paper.

The Andersons Research Grant Program: Regular Competition

Since the beginning of the NC-151 Committee in 1978, The Andersons' Agricultural Research Fund has provided up to \$50,000 per year, which has enabled up to at least five projects to be funded for two-year periods. A large measure of the success of the NC-151/NC-213 Committee over its 25-year existence is due to the research funds made available on a recurring basis by The Andersons Agricultural Research Fund. While this year the competition is open to one institution, a team can still be formed that can foster collaboration between researchers, institutions and industry. The goal of the Andersons Research Grant Program is to develop new approaches and technologies to maintain or improve the quality of cereals and oilseeds from harvest to delivery, while preserving the environment and maintaining consumer safety. These approaches and technologies must be developed and implemented if the United States is to remain at the forefront of the world's major producers.

The current competition closed in September and the awarded grant submissions will soon be announced.