

Grain Quality Newsletter

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

Volume 36:3

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

Welcome to NC-213 – Christopher Reed, NC-213 Representative from The Andersons, Inc.

NC-213 Administration is excited to introduce Mr. Christopher Reed as the new NC-213 Representative from The Andersons, Inc. Chris is a Toledo, Ohio native, and attended Miami University of Ohio for his undergraduate studies. After graduating from Miami in 2006, Chris began his career with The Andersons, Inc. in their Ethanol Group, where he spent five years within the Ethanol Group, focusing on startup, training, operations, projects, and maintenance for three of their four facilities located in Michigan, Indiana, and Ohio. In 2011, he moved to the Grain Group within The Andersons, where he relocated to central Nebraska to oversee the construction and startup of their unit train shuttle loader located in Anselmo, Nebraska. Following the completion of the unit train loader project, he was put in charge of the Western Region grain operations, which included five grain facilities in Nebraska and seven grain facilities in northwest Iowa. Most recently, beginning in Q1 of 2016, Chris was given Food Group operations responsibilities within the US and Canada. The Andersons operates food grade corn cleaning facilities within Nebraska, Illinois, and Texas, and has export capabilities for oats and specialty grains in Canada. He has an MBA from Indiana Wesleyan University, and he is an active participant in Distance Education through the Grain Elevator and Processing Society (GEAPS) and Kansas State University. He and his family currently reside in Kearney, Nebraska.

Please join us in welcoming Chris to the NC-213 community!

(Article courtesy of Chris Reed and Bill Koshar. Photo courtesy of Chris Reed.)



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 Grains and BioProcess Coproducts."

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

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The Andersons Research Grant Program: Team Competition 2016 is Closed.

In June, our Office announced the latest funding opportunity for The Andersons Research Grant Program – Team Competition 2016. The opportunity closed on September 9, 2016. We are excited to announce that we received many great proposals. We are working with our Review Committee and hope to soon announce the proposals that will be funded. *Thanks to all of the Researchers who submitted a proposal.*

Issued November 2016

Visit the NC-213 website at: nc213.org

University of Illinois-Corn Processing Workshops: Announcement Of

(Article provided by Kent Rausch, The University of Illinois)

“Dear Colleagues, 2017 may seem like a long way off, but it will be here before you know it! Our successful Corn Process Workshops provide fundamental understanding of key bioprocesses that produce starch products and biofuels from renewable resources such as corn and biomass.

The next Corn Process Workshops will be offered January 30 to February 2, 2017 at the University of Illinois. The first workshop will focus on corn wet milling (January 30-31), while the second one will cover new technologies in ethanol production (Feb 1-2). Seating is limited for both events.

The registration web page will be activated soon. Special rates apply if you register before December 1, 2016. Please let me know if you have any questions.

Sincerely,

Kent D. Rausch
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University of Illinois at Urbana-Champaign
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Please contact Kent with any questions regarding the agenda and registration.

| University of Illinois Corn Processing Workshops | | |
|---|--|----------------------------------|
| DRAFT Program January 30 to February 2, 2017 | | |
| Monday, January 30 | | |
| 8:00-5:00 | Corn Wet Milling Workshop A fundamental understanding of the technology and science associated with corn wet milling. We will cover topics from the whole kernel to finished starch products, discuss industry trends and provide laboratory demonstrations. Course is designed for a broad audience and is taught by experts from industry, academic and federal research agencies. Introductions Kernel structure, composition and cereal chemistry Overviews of corn processes: dry grind and dry milling Mycotoxins Lunch (included in registration fee) The corn wet milling process Steeping Methods to predict wet milling yields NIR prediction of starch yield Wet milling laboratory demonstrations Starch hydrolyzates | Heritage Room, ACES Library |
| Evening | Reception with hot hors d'oeuvres (wet milling attendees) Poster presentations | Hawthorn Suites Champaign, IL |
| Tuesday, January 31 | | |
| 8:00-4:00 | Corn Wet Milling (conclusion) Enzymatic wet milling and alternative corn fractionation processes Modified starch products and applications Lunch (included in registration fee) Separations: germ, fiber, gluten, starch, hydrocyclones, screens and centrifuges Removal of water: steepwater, corn gluten feed, corn gluten meal Certificate awards and adjournment | Heritage Room, ACES Library |
| Wednesday, February 1 | | |
| 8:00-5:00 | New Technologies in Ethanol Production Workshop A fundamental understanding of technology and science associated with bioethanol produced from grain and biomass. Presenters will cover feedstock development, unit operations, process design and simulation, enzymatic technologies, coproducts, fractionation and other technologies. The course is designed for a broad audience to serve representatives from dry grind ethanol, cellulosic ethanol and allied industries. Welcome, course introduction Corn structure and composition Overview of corn wet milling, dry milling and dry grind Corn quality, cleaning and milling Conversion of starch into sugars Corn fractionation, dry grind ethanol and corn quality laboratories Lunch (included in registration) Saccharification and fermentation Distillation and coproduct recovery Water use in ethanol production Biomass deconstruction, cellulosic ethanol, microbiology | Morgan Room, ACES Library |
| Evening | Reception with hot hors d'oeuvres (ethanol production attendees) Poster Presentations | Hawthorn Suites |

Save the Date! NC-213 Annual Meeting 2017 – February 28 and March 1, 2017

The NC-213 Annual Meeting will be held February 28 and March 1, 2017 – Kansas City Convention Center (Kansas City, Missouri). Once again, we will be joining the Grain and Elevator Processing Society (GEAPS) for a Banquet. GEAPS will provide the guest speaker and the Banquet will include the presentation of the NC-213 Awards: 2017 Andersons Cereals and Oilseeds Award of Excellence and the 2017 Andersons Cereals and Oilseeds Early-in-Career Award of Excellence.

Along with our Technical Sessions and our Industry Panel Discussion, we are offering our third year of our “Posting Showing.” Participants will have the opportunity to show posters on NC-213 related research. Your poster can accompany your presentation or share NC-213 related research (not required – optional). Graduate Students only: We will have a “People’s Choice” Award for the most popular poster. We will have “T” Pins available. Individuals are responsible for getting their poster to the meeting site, hanging their poster, and removing the poster by the time of adjournment. Please visit the NC-213 website for updated agendas and for the registration link. This meeting will also be an opportunity for participants to interact with the newly appointed Administrative Advisor/Coordinator —Dr. David A. Benfield, The Ohio State University and the newly appointed representative from The Andersons, Inc. — Mr. Christopher Reed. Questions? Please contact Bill Koshar, NC-213 Administrative Support.

Please contact our office to reserve your presentation slots! We are sure to offer a diverse and full program.

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Visit the NC-213 website at: nc213.org

MSU Agricultural Economics Faculty Launch New Informational Website for Regional Producers

A group of faculty and Extension specialists in [MSU's Department of Agricultural Economics and Economics](#) in the [College of Agriculture](#) and [College of Letters and Science](#) have launched an informational agricultural economics website for producers in the northern Great Plains agricultural industry. The website includes information on economics and policy, market news, trade and industry content.

The website, <http://ageconmt.com/>, is applicable for anyone involved in agriculture and features blogs, podcasts, presentation events and industry information on a variety of subjects spanning crops, livestock, policy and business and finance, according to Anton Bekkerman, MSU associate professor of agricultural economics.

"A primary goal of the website is to offer trending content that's specifically tailored for agricultural communities and producers in the western U.S.," Bekkerman said. "We want to share our research and things we're excited about with people whom it directly affects. There wasn't a source site like this out there (before) that includes both news content and research analysis that relates to the northern Great Plains."

The site features weekly blogs written by faculty that provide short, in-depth analyses on a wide array of topics that influence the country's agricultural economy. The blogs explore news and policy with trending data, infographics and the potential associated effects for Montana's agricultural community. The website also features short interviews with faculty on their particular research or their thoughts on markets and industry news. Commentary in a web-based open forum is encouraged, as is feedback from producers on what they would like to see covered.



(Article provided by Anton Bekkerman, Montana State University.) Faculty who have contributed to the website are pictured from left to right: MSU Department of Agricultural Economics and Economics faculty and ageconmt.com authors; Kate Fuller, assistant professor and agricultural economics Extension specialist; Diane Charlton, assistant professor of agricultural economics; Brock Smith, assistant professor of agricultural economics; Anton Bekkerman, associate professor of agricultural economics and economics; Joseph Janzen, assistant professor of agricultural economics; Joel Schumacher, associate Extension specialist economist and Eric Belasco, associate professor of agricultural economics. MSU photo by Adrian Sanchez-Gonzalez.

Congratulations to Grain Dust Training Team from Iowa State University and Purdue University

Gretchen Mosher, Kingsly Ambrose, and Dirk Maier were funded for a second year of grain dust explosion mitigation training by the Department of Labor's Occupational Safety and Health Administration's Follow-On Targeted Training Topic for \$126,000. At the end of the two year period, Iowa State University and Purdue University will have worked together to train approximately 570 grain workers on the characteristics of grain dust, mitigation strategies, and advanced engineering controls.

International Calendar of Events

NOVEMBER

November 9-10, 2016

“67th JTIC International, The Milling & Cereal Industry Meeting. Annual French Conference for the Cereal Industries (JTIC)”. Paris, France.

Contact: Nelly Duprat, AEMIC. 51 rue de l’Echiquier 75010 Paris, France.

Tel: +33 (0)1 47 07 20 69, Fax: +33 (0)1 44 24 56 25, Email: aemic@wanadoo.fr, Web: www.jtic.eu

November 14-16, 2016

“11th Annual Oilseed & Grain Trade Summit” and “2nd Organic & Non GMO Forum”.

Hyatt Regency Minneapolis. Minneapolis, MN, USA.

Contact: HighQuest Partners. Ms. Sule Basa.

Email: sule.basa@gmail.com, Web: www.oilseedandgraintrade.com, www.ongforum.com

DECEMBER

December 1-3, 2016

“7. FOI 2016, Fats & Oils Istanbul / FGI 2016, Feeds & Grains Istanbul”.

Ceylan InterContinental. Istanbul, Turkey.

Contact: Agripro. Gürcü Kızı Sok. No.33/4 Ortaköy 34347 İstanbul, Turkey.

Tel: +90 (212) 236 0345, Fax: +90 (212) 236 0385,

Email: info@fatsandoilsistanbul.com.tr, info@agripro.com.tr,

Web: www.fatsandoilsistanbul.com.tr, www.agripro.com.tr

December 8-10, 2016

“IBATECH IZMIR, International Trade Fair for Bakery, Patisserie Machinery, Ice Cream, Chocolate and Technologies”. Izmir, Turkey.

Contact: Ms. Funda Kunduz. Messe Stuttgart Ares Fuarçılık Ltd. Şti.

Tekstilkent A 11 Blok No: 51 Esenler 34235 İstanbul, Turkey.

Tel: +90 (212) 284 1110, Fax: +90 (212) 284 1001,

Email: funda.kunduz@messe-stuttgart.com.tr, info@messe-stuttgart.com.tr,

Web: www.messe-stuttgart.com.tr, www.ibatech.com.tr

FEBRUARY

February 15-18, 2017

“Biofach 2017, World’s Leading Trade Fair for Organic Food”. Nurnberg, Germany.

Contact: Web: www.biofach.de, www.ask-biofach.de

February 25-28, 2017

“GEAPS Exchange 2017, Grain Elevator and Processing Society Annual Conference”.

Kansas City Convention Center. Kansas City, KS, USA.

Contact: The Grain Elevator and Processing Society, GEAPS.

4800 Memorial Highway, Golden Valley, MN 55422 USA. Tel: +1 (763) 999 4300, Fax: +1 (763) 710 5328,

Email: info@geaps.com, Web: www.geaps.com

International Calendar of Events Continued

MARCH

March 9-12, 2017

“IBATECH ANKARA 2017, 10th International Trade Fair for Bakery, Patisserie Machinery, Ice Cream, Chocolate and Technologies”.

Congresium International Convention & Exhibition Centre. Ankara, Turkey.

Contact: Ms. Funda Kunduz. Messe Stuttgart Ares Fuarçılık Ltd. Şti.

Tekstilkent A 11 Blok No: 51 Esenler 34235 İstanbul, Turkey.

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Email: funda.kunduz@messe-stuttgart.com.tr, info@messe-stuttgart.com.tr,

Web: www.messe-stuttgart.com.tr, www.imatech.com.tr

March 16-17, 2017

“Gluten Free’ Bakery Technology Conference”.

Campden BRI. Chipping Campden, Gloucestershire, GL55 6LD, UK

Contact: Solomon Melides & Sarab Sahi, Event Directors.

Tel: + 44(0)1386 842000,

Email: training@campdenbri.co.uk, Web: www.campdenbri.co.uk

APRIL

April 10-14, 2017

“121st Annual IAOM, International Association of Operative Millers, Conference & Expo”.

New Orleans Marriott and the New Orleans Ernest N. Morial Convention Center.

New Orleans, LA, USA.

Contact: IAOM, International Association of Operative Millers.

12351 W. 96th Terrace, Suite 100 Lenexa, Kansas 66215 USA.

Tel: +1 (913) 338 3377, Fax: +1 (913) 338 3553,

Email: info@iaom.info, Web: www.iaom.info