

# Grain Quality Newsletter

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

Volume 37:3

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

## Save the Date! NC-213 Annual Meeting 2018 – February 21-22, 2018

Our NC-213 Annual Meeting – 2018 will be held February 21-22, 2018 – Kansas City – Embassy Suites KCI. Once again, we will be joining the Wheat Quality Council for a Banquet. The Wheat Quality Council will provide the guest speaker and the Banquet will include the presentation of the NC-213 Awards: 2018 Andersons Cereals and Oilseeds Award of Excellence and the 2018 Andersons Cereals and Oilseeds Early-in-Career Award of Excellence.

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

Along with our Technical Sessions and our Industry Panel Discussion, we are offering our fourth 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). Full Time Students only: We will have a “People’s Choice” Award for the most popular poster. Please visit the NC-213 website for updated agendas and for the registration link.

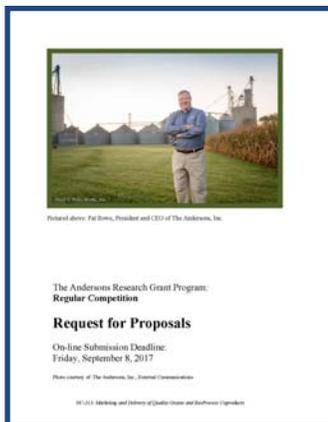
Questions? Please contact Bill Koshar, NC-213 Administrative Support.

(Picture of David A. Benfield, NC-213 Administrative Advisor/Coordinator addressing last year’s meeting.)



## The Andersons Research Grant Program – Regular Competition 2017

NC-213 has been fortunate to host for many years The Andersons Research Grant Competition. This competition, supported by The Andersons endowment, has led to many fine discoveries and has leveraged additional funding from private industry, states, and the federal government; it is a hallmark of NC-213. As a result of our latest “Call for Proposals” our office received eight proposals. We are now at the point in the process where we reached out to members of the research community to assist in the review process. These individuals know how important the review process is and the role it ultimately plays in determining the research agenda. Their knowledge of cereals, oilseeds, and grain quality provides us with the knowledge base needed to help NC-213 provide quality reviews for our fellow investigators. We want to extend our thanks to our reviewers and also to those who submitted grant proposals for this year’s funding opportunity.



## The University of Illinois Announces Registration for Corn Processing Workshops

“Dear Colleagues, The registration site for our upcoming Corn Processing Workshops is now active. Dates for the workshop are January 29 through February 1, 2018. You may register for either workshop or both. There is a \$200 discount for registering one person for both workshops. The link is: <https://ecommerce.aces.illinois.edu/cornprocessing/>

Feel free to forward this message to your colleagues. A brief description of the workshops and their objectives are given on the registration page. We will have a free shuttle that runs each morning and evening to transport participants to the workshop from the Hawthorn Suites hotel to campus. Contact the Hawthorn for accommodations or if you would like to park at their site.

Registration is available on a first-come first-served basis. We have 40 seats available for each workshop. Last year, we reached full capacity two months in advance. So, if you want to go, do not delay. See the web site for additional details. Please let me know if you have any questions.

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

## Infratec NOVA grain analyzer approved by USDA/GIPSA

In September, the Infratec™ NOVA grain analyzer was approved by the USDA Grain Inspection, Packer & Stockyards Administration (GIPSA) for determination of:

- Protein and wet gluten content in wheat
- Protein and oil content in soybeans
- Protein in barley
- Protein, oil and starch in corn

The approval is based on equivalence tests against the previously approved Infratec 1241. Tests included sample-to-sample agreement with the Infratec 1241, calibration transfer from the Infratec 1241 to the Infratec NOVA and checking that the instrument standardization procedures are compatible with those used for the Infratec 1241.

Infratec NOVA performance backed by official approvals: The Infratec NOVA was introduced to bring a number of usability and performance enhancements to the well-proven Infratec 1241 grain testing platform. The GIPSA approval is just the latest in a number of approvals such as the National Type Evaluation Program (NTEP) approval for analysis of moisture, oil, protein, and test weight content of whole grain samples in commercial grain.

Infratec NOVA has also received approval for testing moisture in grain by the National Metrological Institute in Germany (known as PTB) and the Laboratoire national de métrologie et d'essais (LNE) in France.

The most widely approved grain analyzer: Official approvals are required in a range of countries for official measurement of grain quality. For example, for payment to farmers for their grain deliveries. Further approvals for the Infratec NOVA are underway in all countries where the Infratec 1241 is currently approved.

(Article and picture provided by: Steve Nenonen, Industry Sales Manager - North America, Grain and Milling Industries, FOSS)



## Iowa State University Announces \$14 Million Committed by Kent Corporation and Others

\$14 Million Committed by Kent Corporation, Iowa Corn Promotion Board and Sukup Manufacturing Co. for Iowa State's Feed Mill and Grain Science Project

AMES, Iowa — Kent Corporation is committing \$8 million, the Iowa Corn Promotion Board \$4 million and Sukup Manufacturing Co. \$2 million in support of a new Iowa State University educational and research facility for feed milling and grain science.

The \$14 million in gifts are the first to be announced for the \$21.2 million feed mill and grain science complex, which will be funded entirely through private giving.

The commitments made by [Kent Corporation](#) and [Iowa Corn Promotion Board](#) represent the largest gifts each has ever made. [Sukup Manufacturing Co.'s](#) commitment will be in-kind support, including the complex's grain storage bins.

"We are very grateful to Kent, Iowa Corn Promotion Board and Sukup Manufacturing for their lead gifts that will jump-start in-depth planning and development of our feed mill and grain science complex," said Benjamin Allen, interim president of Iowa State University. "Their tremendous generosity will help make this facility a valuable addition to hands-on student learning, meaningful faculty research, and extension and outreach to industry workforce."

"On behalf of the Kent family and Kent Corporation, we are pleased to contribute this legacy gift to Iowa State University's new feed mill and grain science facility," said Gage Kent, chairman and chief executive officer of Muscatine-based Kent Corporation.

"Our business portfolio includes developing innovative, high-quality, value-added products from locally grown corn," said Kent. "As an Iowa-based, global leader in corn wet milling, the production of animal feeds and the manufacturing of food products, it is critical that we support Iowa State in giving students valuable real-world experiences that will benefit their future employers and industries. Our experience with Iowa State's commitment to the [Cultivation Corridor](#) and their mission to promote and facilitate growth in agriculture and biosciences helped facilitate this gift. We are very proud to support this effort."



Much of the nation's corn and corn products, particularly for pork, beef, dairy and poultry feeds, is processed at feed mills throughout Iowa and the Midwest. During the past decade, commercial feed consumption in Iowa has doubled to 15 million tons. At about 5 million tons, corn byproducts from ethanol plants represent the largest ingredient source in animal feeds.

"Iowa's economy is heavily dependent upon grain and livestock production, and export trade," said Duane Aistrope, president of the Iowa Corn Promotion Board, headquartered in Johnston. "To remain viable and competitive in the future, the grain, feed and livestock industries must continue to improve production and efficiency, and this means having qualified professionals moving into this important agricultural sector. In addition, Iowa State's feed mill and grain science complex will allow us to help with the Iowa Corn Promotion Board's market development activities by serving as a great resource to educate our visiting international trade teams on how to best utilize U.S. corn and corn products."

Charles Sukup, president of Sukup Manufacturing Co. of Sheffield, Iowa, said, "Our mission is to protect and preserve the grain that feeds the world. Key factors to our success as a company have been innovative ideas and our dedicated workforce. That's why we are excited that Iowa State's plans for the feed mill and grain science complex will focus on innovation in support of the grain and feed industries, education of the next generation and continuing education that helps our workforce and customers keep up to speed on the latest developments."

Steve Sukup, chief financial officer of Sukup Manufacturing Co., added, “Being part of Iowa State’s feed mill and grain science complex is a great way to showcase equipment that wasn’t even being engineered and manufactured 18 years ago. This project and the company’s new location at the [Iowa State University Research Park](#) demonstrate Sukup Manufacturing’s commitment to the research and education that moves agriculture forward.”

Fundraising for the project will continue, and a timeline will be developed as detailed plans and design work progresses. In the future, plans for construction will be presented for approval to the Iowa Board of Regents.

The location for the feed mill and grain science complex will be on approximately 10 acres of university-owned land southwest of the intersection of Highway 30 and State Avenue in Ames. The land, managed by the College of Agriculture and Life Sciences, has been the site of crop research, seed operations and crop yield performance trials for more than 50 years.

At the proposed facility, classes and short courses will be taught, research conducted and feeds prepared to meet the dietary requirements of animals housed at several university teaching and research farms in the Ames area.

The complex is envisioned to include a feed mill tower and feed milling and mixing structures, grain storage bins and a one-story classroom and laboratory building.

Iowa State faculty have been developing a new minor in feed technology to better prepare students to meet a growing demand for highly skilled professionals in the feed and grain industries. The new complex will provide hands-on learning experiences for students across several agricultural majors.

The facility will be a new venue for continuing education and extension programs for employees in feed milling and grain handling industries. These programs will help workers more effectively meet an increasing number of regulatory compliance issues, address biosecurity concerns and gain experience in advanced processing methods. They also will be valuable for demonstrating to international visitors the sophistication of the U.S. feed industry, and in educating visitors on how to best use U.S. corn and corn products in their own livestock industries.

The new facility will centralize feed production close to university animal teaching and research farms. It is expected to improve the quality of research by Iowa State faculty, serving as a source for custom-made animal feeds for academic studies. Variability and inconsistency in making experimental diets have been a stumbling block in the past — one that will likely be eliminated or reduced through use of the new facility. Researchers also will use the complex to study feed safety and biosecurity issues linked to transportation and handling of feeds.

The Kent Corporation, Iowa Corn Promotion Board and Sukup Manufacturing Co. commitments are part the [Forever True, For Iowa State](#) campaign, with a historic goal to raise \$1.1 billion, which will help support Iowa State in becoming the premier land-grant university for the 21st century and beyond.

Kent Corporation is a diversified family-owned corporation with operating subsidiaries involved in corn wet milling, the production of animal feeds and the manufacture of food products. Kent Corporation is owned by the Kent Family and led by Gage A. Kent as Chairman of the Board and CEO. Operating subsidiaries of Kent Corporation include Grain Processing Corporation, Kent Nutrition Group — makers of the Kent Brand animal nutrition products — Kent Pet Group, all headquartered in Muscatine, Iowa, and Kent Precision Foods Group, St. Louis, Missouri. The entire family of companies has approximately 2,000 employees and does business in the U.S., Canada, and throughout the world. For more information, visit [www.kentww.com](http://www.kentww.com).

The Iowa Corn Promotion Board works to develop and defend markets, fund research and provide education about corn and corn products. For more information, visit [www.iowacorn.org](http://www.iowacorn.org).

Sukup Manufacturing Co. is the world's largest family-owned and operated grain storage, drying and handling equipment manufacturer. The company is headquartered in Sheffield, Iowa, and covers 1,000,000 sq. ft. of office, manufacturing and warehouse space. The company employs over 600 people, making it one of the largest employers in North Central Iowa. Three generations of the family are now active in the business. Sukup's product line includes on-farm and commercial grain bins, portable and tower dryers, centrifugal and axial fans and heaters, stirring machines, bin unloading equipment and bin floors and supports. Sukup also manufactures a line of material handling equipment that includes bucket elevators, drag conveyors and chain loop conveyors, as well as a line of steel buildings. Sukup has six distribution centers located throughout the Midwest. Sukup products are sold throughout the U.S. and Canada, as well as in over 80 foreign countries. For more information, visit [www.sukup.com](http://www.sukup.com).

The Iowa State University Foundation is a private, nonprofit organization committed to securing and managing gifts that benefit Iowa State University. For more information, visit [www.foundation.iastate.edu](http://www.foundation.iastate.edu).

Contacts:

Carol Reynolds Kent Corporation, (563) 264-4532, [carol.reynolds@kentww.com](mailto:carol.reynolds@kentww.com)  
Shannon Textor, Iowa Corn Promotion Board, (515) 225-9242, [stextor@iowacorn.org](mailto:stextor@iowacorn.org)  
Rachel Geilenfeld, Sukup Manufacturing Co., (515) 290-1702, [rgeilenfeld@sukup.com](mailto:rgeilenfeld@sukup.com)  
Brian Meyer, Agriculture and Life Sciences Communications, (515) 294-0706, [bmeyer@iastate.edu](mailto:bmeyer@iastate.edu)

## International Calendar of Events

### December, 2017

December 7-8

"8. FOI 2017, Fats & Oils Istanbul / FGI 2017, Feeds & Grains Istanbul".

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,

E-mail: [info@fatsandoilsistanbul.com.tr](mailto:info@fatsandoilsistanbul.com.tr), [info@agripro.com.tr](mailto:info@agripro.com.tr),

Web: [www.fatsandoilsistanbul.com.tr](http://www.fatsandoilsistanbul.com.tr), [www.agripro.com.tr](http://www.agripro.com.tr)

### January, 2018

January 30 – February 1

"2018 International Production & Processing Expo, IPPE".

Georgia World Congress Center. Atlanta, GA, ABD.

Contact: U.S. Poultry & Egg Association.

Tel: +1 (770) 493 9401, Fax: +1 (770) 493 9257,

E-mail: [info@ippexpo.org](mailto:info@ippexpo.org), Web: [www.ippexpo.org](http://www.ippexpo.org)

Tel: +43 1 707 72020, Fax: +43 1 707 72040,

E-mail: [office@icc.or.at](mailto:office@icc.or.at), Web: [www.icc.or.at](http://www.icc.or.at), [www.icc.or.at/node/2871](http://www.icc.or.at/node/2871)

### February, 2018

February 1-4

"13th International Agriculture and Livestock Exhibition, AGROEXPO 2018".

Fuar İzmir - Gaziemir International Fair Area. Izmir, Turkey.

Contact: Orion Fair Services and Public Relations Inc. Co.

Onur Mah. Zambak Sok. No: 21/A Balçova, Izmir, Turkey.

Tel: +90 (232) 444 0 476, Fax: +90 (232) 277 3904, E-mail: [international@orionfair.com](mailto:international@orionfair.com), Web: <http://www.agroexpo.com.tr>

February 3-6

“Europain & Intersuc 2018,  
World Bakery, Pastry, Ice- Cream, Chocolate, Confectionary Trade Show”.  
Paris-Nord Villepinte. Paris, France. Contact: Web: [www.europain.com](http://www.europain.com)

February 14-16

“PNWGFA 50th Annual Warehousemen’s Conference & Trade Show”.  
Coeur d’Alene Resort. Coeur d’Alene, ID, USA.  
Contact: Margerie Sedam, Association Director.  
Pacific Northwest Grain and Feed Association. 200 SW Market Street, Suite 190  
Portland, OR 97201, USA.  
Tel: +1 (503) 227 0234, Fax: +1 (503) 227 0059,  
E-mail: [margerie@pnwgfa.org](mailto:margerie@pnwgfa.org), Web: [www.pnwgfa.org](http://www.pnwgfa.org)

February 14-17

“Biofach 2018, World’s Leading Trade Fair for Organic Food”.  
Nuremberg, Germany.  
Contact: E-mail: [info@biofach-world.com](mailto:info@biofach-world.com), Web: [www.biofach.com](http://www.biofach.com)

February 25-27

“BakingTech 2018, Sustainability - Success Through People, Products and Productivity”.  
Hilton Chicago. Chicago, IL, USA.  
Contact: American Society of Baking.  
7809 N Chestnut Avenue, Kansas City, MO 64119, USA.  
Tel: +1 (800) 713 0462, Fax: +1 (888) 315 2612,  
E-mail: [info@asbe.org](mailto:info@asbe.org), Web: <http://www.asbe.org/bakingtech2018/>

### **March 2018**

March 7-9

“INTL FCStone Global Markets Outlook Conference”.  
Hard Rock Hotel and Casino. Las Vegas, NV, USA.  
Contact: INTL FCStone Inc.  
Web: <http://www6.intlfcstone.com/global-markets-outlook-conference-2018/>

March 11-14

“4th Latin America Cereals Conference, LACC4”.  
Mexico City, Mexico.  
Contact: ICC - International Association for Cereal Science and Technology.  
Marxergasse 2, A-1030 Vienna, Austria.  
Tel: +43 1 707 72020, Fax: +43 1 707 72040,  
E-mail: [office@icc.or.at](mailto:office@icc.or.at), Web: [www.icc.or.at](http://www.icc.or.at), [www.icc.or.at/events/lacc4](http://www.icc.or.at/events/lacc4)

March 14-17

“CIMMYT - International Gluten Workshop”.  
Mexico City, Mexico.  
Contact: ICC - International Association for Cereal Science and Technology.  
Marxergasse 2, A-1030 Vienna, Austria.

March 19-22

“CIMMYT - Obregon Visitors' Week”.

Obregon, Mexico.

Contact: ICC - International Association for Cereal Science and Technology.

Marxergasse 2, A-1030 Vienna, Austria.

Tel: +43 1 707 72020, Fax: +43 1 707 72040,

E-mail: office@icc.or.at, Web: www.icc.or.at, www.icc.or.at/node/2870

March 24-27

“GEAPS Exchange 2018, Grain Elevator and Processing Society Annual Conference”.

Colorado Convention Center. Denver, CO, 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,

E-mail: info@geaps.com, Web: www.geaps.com

March 24-27

“North American Millers' Association, NAMA 2018 Spring Conference”.

Naples Grand Breach Resort. Naples, FL, USA.

Contact: Christopher Clark, North American Millers' Association.

1400 Crystal Drive, Suite 650, Arlington VA 22202, USA.

Tel: + 1 (202) 484 2200 ext. 2,

E-mail: cclark@namamillers.org, Web: www.namamillers.org

March 27-29

“FIAAP/VICTAM/GRAPAS Asia 2018, International Exhibitions & Conferences for the Animal Feed, Biomass & Grain Processing Industries”.

Bangkok International Trade & Exhibition Centre, BITEC. Bangkok, Thailand.

Contact: Patricia Heimgartner, Exhibition Manager. Victam International BV.

P.O. Box 197 3860 AD Nijkerk, The Netherlands.

Tel: +31 33 246 4404, Fax: +31 33 246 4706,

E-mail: patriciaheimgartner@victam.com, Web: www.victam.com

## **April, 2018**

April 9-12

“International Sorghum Conference, "Sorghum in the 21st Century””.

Cape Town, South Africa.

Contact: Email: Kira Valentin-Everhart (kevalentin@ksu.edu) or John Taylor,

(john.taylor@up.ac.za), Web: https://21centurysorghum.com

April 9-13

“122st Annual IAOM, International Association of Operative Millers, Conference & Expo”.

Renaissance Atlanta Waverly Hotel & Convention Center.

Atlanta, GA, 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,

E-mail: info@iaom.info, Web: www.iaom.info

April 12-15

“IBATECH 2018,

11th International Trade Fair for Bakery, Patisserie Machinery, Ice Cream, Chocolate and Technologies”.

Istanbul Fair Center, CNR Expo. Yeşilköy, İstanbul, 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,

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

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

April 19-21

“The 4th International Symposium on “Traditional Foods from Adriatic to Caucasus”.

Kyrenia, TRNC.

Contact: Email: tf2018@traditionalfoods2018.com,

Web: <http://traditionalfoods2018.com/>

April 25-28

“World Mill Tech 2018,

World Milling Machinery Technologies and Side Industry Fair”.

TÜYAP Fair and Congress Center. Büyükçekmece, İstanbul, Turkey.

Contact: Arzu Fırat Özener, Project Group Director. Tuyap Fairs Inc.

E-5 Karayolu Üzeri, Cumhuriyet Mahallesi, Eski Hadımköy Yolu Caddesi 9/1,

34500 Büyükçekmece, İstanbul, Turkey.

Tel: +90 (212) 867 1119, Fax: +90 (212) 886 6737,

E-mail: arzufirat@tuyap.com.tr,

Web: [www.worldmilltech.net](http://www.worldmilltech.net), [www.tuyap.com.tr](http://www.tuyap.com.tr)