Department of Grain Science and Industry Newsletter

July 23, 2008

Thank You!

The Department of Grain Science and Industry raised $4,100 for the GSI Tornado Relief Fund. This money was distributed between the families with the most need from the tornado damage, the Shis and the Krishocks.

Thank you to the Faculty, Staff, Graduate Students and Student Clubs that contributed to this fund.

Buddhi Lamsal Farewell

Dr. Buddhi Lamsal will be leaving the department on August 15th to take an Assistant Professor position at Iowa State University in the Department of Food Science and Human Nutrition. Prior to joining GSI, he worked as a post-doctoral research associate in the Department of Food Science and Human Nutrition at Iowa State.

Buddhi has been an Assistant Research Professor in GSI since fall 2006 and before that was a Research Scientist in GSI specializing in enzyme applications. Buddhi graduated with his Ph.D. in Agricultural Engineering from the University of Wisconsin-Madison, Madison, WI.

On August 7, 2008 at 3 PM there will be a farewell reception held in Shellenberger Hall for Buddhi.

Jim Eickman Retires

Jim Eickman retired on June 14, 2008. He had worked at K-State and for the Grain Science and Industry department since March 1980—a little over 28 years! Jim started working in the feed mill with Don Duncan. Following Don’s retirement in 2002, Jim was mill manager until his move to BIVAP in 2006. He will be missed, but we congratulate him and wish him well with his new endeavors.

Grain Science Ethanol Project

Praveen Vadlan and Leland McKinney, along with faculty from Agronomy and BioAg Engineering received a $690,000 grant from the Department of Agriculture’s Rural Development Section in conjunction with the Department of Energy.

This grant is for the study of processing biomass at the farm site through pelleting, making the process of transferring the biomass easier to the site for ethanol conversion because of the increase in the bulk density. Further, pelleting forage will act as a pre-processing step that will result in better quality sugars from biomass with less inhibitory substances, thereby leading to higher ethanol production efficiencies.

Publications and Presentation

David Wetzel presented “IR Spectroscopy Through a Microscope Provides Detailed Chemical Images Useful in the Forensic, Materials, Biomedical and Plant Sciences”, Director’s seminar series of the Midwest Research Institute, May 21, Kansas City. The lecture was also simulcast to MRI facilities in other states.

July Birthdays

Come celebrate the Grain Science July birthdays on July 31, 2008; at 3 PM in Shellenberger 204. Rootbeer floats will be provided for all that attend.

Above: Richard Hahn and Jim Eickman chat at Jim’s retirement party on July 2nd.
Grains for Hope

Grains for Hope is a non-profit organization of high school students from Sabetha High (SHS) working towards the goal of solving world hunger, beginning with Mozambique, Africa. Partners with SHS include Wenger Manufacturing, XIM, and faculty at the University of Nebraska Lincoln and Kansas State University.

Sajid Alavi has been working with Grains for Hope to determine the best grains and nutrients needed to help the hunger problem in Mozambique.

Efforts and research have been put forth towards creating a corn and wheat based extruded product. This product would be enriched with vitamins such as A, B12, and folic acid making the product an important part of the recommended daily requirements.

Two shipments have already been sent to Mozambique with feedback being sent back to Grains for Hope for product improvement.

For more information see the Grains for Hope website:

Grains for Hope

The following people had birthdays in July:

1- Suzan Adams
1- Kendall McFall
3- Rebecca Miller
9- Howard Jay O'Neil
12- Richard Hahn
14- Nanjunda Ananda
20- Judy Smith
25- Buddh Lamsal
25- Jeann Shera

Awards

The Grain Science Safety Committee will be recognized with an Award at the next Research and Extension Annual Conference in October.

Movies on the Grass 2008
"King Corn"

The Feed Science Club sponsored the K-State Movies on the Grass 2008. This series opens on August 24 and is a free outdoor film and discussion giving students and the community a chance to be involved in contemporary issues.

Films include:

8/24 Hacking Democracy
9/7 I Know I'm Not Alone
9/14 King Corn
9/21 Darwin's Nightmare

This fall the Feed Science Club will be represented at the controversial film "King Corn" to answer questions and give a different perspective on the corn industry.

"King Corn" is a film in which two ecological activists from Yale move to Greene, Iowa, to cultivate an acre of corn and follow their crop from seed to the marketplace. In this film there is a large emphasis on the side effects of an all corn diet, with views on grain-fed cattle and obesity in America.

GSI Calendar

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<thead>
<tr>
<th>July 2008</th>
<th>Aug 2008</th>
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<tr>
<td>21-25 IGP Buhler &quot;Executive&quot; Flour Milling - 2-Short Course</td>
<td>6 Department Faculty Meeting, 12:30 PM</td>
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<td></td>
<td>12-15 Extrusion Processing: Technology and Commercialization Short Course, Manhattan</td>
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<td>20 Faculty Retreat</td>
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<td></td>
<td>25 First Day of Fall Semester</td>
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<td>27 Grain Science Welcome Back Picnic, TBA</td>
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Join Our Mailing List!

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<tr>
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<tr>
<td>30</td>
<td>Football: North Texas vs. K-State HOME</td>
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<tr>
<td><strong>September 2008</strong></td>
<td></td>
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<tr>
<td>1</td>
<td>Labor Day - University Holiday</td>
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<tr>
<td>6</td>
<td>Football: Montana State vs. K-State HOME</td>
</tr>
<tr>
<td>8-12</td>
<td>IGP Buhler Electrical Maintenance Flour Milling Short Course</td>
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<tr>
<td>15-19</td>
<td>IGP Buhler Flour Milling Short Course for Flour Sales People</td>
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<tr>
<td>27</td>
<td>Football: Louisiana-Lafayette HOME</td>
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<tr>
<td>22- Oct 3</td>
<td>IGP Feed Manufacturing Short Course</td>
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<td><strong>October 2008</strong></td>
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<tr>
<td>4</td>
<td>Football: Texas Tech vs. K-State HOME</td>
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<tr>
<td>25</td>
<td>Football: Oklahoma vs. K-State HOME</td>
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<tr>
<td><strong>November 2008</strong></td>
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<tr>
<td>15</td>
<td>Football: Nebraska vs. K-State HOME</td>
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<tr>
<td>22</td>
<td>Football: Iowa State vs. K-State HOME</td>
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