**NUE Conference, August 2-4, 2010, Stillwater, OK**

**August 2, 2010**

Meet at the Wes Watkins Center, 5:00 pm. Travel to Lake Carl Blackwell followed by 30 minute plot tour. Return to the Wes Watkins Center, Exhibit Hall. Dinner provided by AgLeader.

**August 3, 2010   
(graduate student activity, pm)**

**7:15 to 7:55** Bagels, coffee, misc. served at the Wes Watkins Center  
**7:55 to 8:00**  Introductions  
**8:00 to 8:25**  Dr. Jim Schepers, Sensor Experiences in Nebraska and Mexico  
**8:25 to 8:50**  Dr. Cliff Snyder, Work with N in the World, IPNI  
**8:50 to 9:15**  Mr. Roger Zielke, AgLeader  
**9:15 to 9:40**  Mr. Ted Mayfield, Trimble  
**9:40 to 10:05**  Mr. Martin Keye, Topcon

**10:05 to 10:30  BREAK, Poster Viewing**

**10:30 to 10:50** Dr. John Solie, OSU, Generalized Algorithm Development  
**10:50 to 11:10**  Dr. Randy Taylor, OSU, Variable Rate Fertilizer at Reduced Scales (section control, granular-VRT)  
**11:10 to 11:30**  Dr. Ivan Ortiz-Monasterio, CIMMYT, Sensor Based N Management in the Yaqui Valley  
**11:30 to 11:50**  Dr. Drew Tucker, Oklahoma State University, Sensor Based Research Results in Kansas  
**11:50 to 12:00**  Wheat Discussion, Research Problems, Obstacles, etc.

**12:00 to 1:00 Lunch provided for all attendees, courtesy of Monsanto.**

Afternoon Session, 1:00-5:00

**1:00 to 1:20**  Cheryl Reese, South Dakota State University, Hard Red Spring Wheat In-Season N Application Recommendations Based on Market conditions  
**1:20 to 1:40**  Eric Miller, Purdue University Variability of Maize Canopy Reflectance Within Field-Length Strips Fertilized With Low to High Rates of Nitrogen

Corn/Wheat Producers: Sensor Based N Management Experiences**1:40 to 1:45**  Producer Introductions  
**1:45 to 2:05** Jimmy Wayne Kinder, Wheat Producer, Walters, OK   
**2:05 to 2:25**  Brent Rendel, Wheat, Soybean, Corn Producer, Miami, OK  
**2:25 to 2:45**  Mark Lehenbauer, Corn/Soybean Producer, Hannibal, MO  
**2:45 to 3:00**  Discussion, Producer Limitations to Using Precision Ag Technologies

**3:00 to 3:20**  **BREAK, Poster Viewing**

**3:20 to 3:40**  Dr. Marvin Stone, Emerging Technologies  
**3:40 to 4:00**  Robert Mullen, Regional Nitrogen Trials, Corn  
**4:00 to 4:20**  Dave Mengel, Regional Nitrogen Trials, Wheat  
**4:20 to 4:30**  Yumiko Kanke and Dr. Brenda Tubana, LSU Sensor Update  
**4:30 to 4:40**  Jake Vossenkemper, Pioneer Update  
**4:40 to 5:00**  Open Discussion

**5:00 pm ADJOURN**

GRADUATE STUDENTS will congregate after the meeting and head to Joe's

Dinner Recommendations: Eskimo Joes, Mexico Joes, Hideaway Pizza

**August 4, 2010**

**7:30 to 8:00**  Bagels, coffee, misc. served at the Wes Watkins Center

**8:00 to 8:15**  Discussion, Issues from Presentations on August 3  
  
Cotton Production **8:15 to 8:30**  Dr. Brenda Ortiz, Auburn, Preliminary Results of the Evaluation of Green Seeker for Nitrogen Fertilization in Cotton  
**8:30 to 8:45**  Dr. Terry Griffin, Arkansas, Economic Impact of VRT in Cotton  
**8:45 to 9:00**  Tyson Raper, Dr. Jac Varco, Mississippi State, Use of Sensors for Predicting Yield Potential  
**9:00 to 9:15**  Dr. Brian Arnall, OSU, Development of Cotton N Fertilization Algorithms, Southern USA  
**9:15 to 9:30**  Cotton Discussion (limitations, etc.) led by Dr. Arnall

**9:30 to 10:00 BREAK, Poster Viewing**

**10:00 to 10:15**  Guilherme Torres, Seed Orientation to Control Leaf Geometry  
**10:15 to 10:30**  New N Products Discussion  
**10:30 to 10:45**  Dr. Newell Kitchen, Dr. Ken Sudduth, Missouri Update  
**10:45 to 11:00**  Dr. Dennis Francis, USDA-ARS Update  
**11:00 to 11:15**  Jeff Vetsch, Minnesota Update  
**11:15 to 12:00**  Open Discussion, Issues Raised During the Meeting, Planning for 2011

**12:00 Box lunches provided for all attendees, courtesy of Trimble.**

POSTERS (on display the entire conference)

1.  Newell Kitchen, Ken Sudduth, Missouri, Effect of Hybrid Corn Growth on Visible and Near Infrared Light Sensing  
2.  Pawel Wiatrak, Clemson. Evaluation of N Application Using GreenSeeker Sensors in South Carolina  
3.  Cheryl Reese, SDSU, Hard Red Spring Wheat In-Season N Application Recommendations Based on Market Conditions  
4.  Yuxin Miao, China, Evaluating Different Crop Sensors for In-Season N Management of Rice in Northeast China  
5.  Bram Govaerts, CIMMYT, GreenSeeker Sensor Experiences  
6.  KSU 1  
7.  KSU 2  
8.  IPNI, Steve Phillips  
9.  Tyson Raper, Mississippi State, Cotton  
10. Emily Rutto, OSU, Cotton Recovery from Early Season Nitrogen Stress  
11.  Randy Taylor, OSU, Using Optical Sensors to Evaluate Dicamba Injury to Cotton  
12. Leo Espinoza, University of Arkansas  
13. Tyson Raper, Ken Hubbard, Mississippi State, Cotton  
14. USDA-ARS Nebraska 1  
15. USDA-ARS Nebraska 2

**NUE Meeting History**November 21-22, 1996, Lincoln, NE  
June 6-7, 1998, Lincoln, NE  
March 1, 1999, Stillwater, OK  
July 19-20, 2001, Stillwater, OK  
January 17-19, 2002, Lincoln, NE  
June 10-12, 2002, Shelton, NE  
May 18-20, 2003, Stillwater, OK  
August 3-5, 2004, Lincoln, NE  
August 10-12, 2005, Columbia, MO  
August 7-9, 2006, Waseca, MN  
August 6-8, 2007, Monmouth, IL  
July 31 August 1, 2008, Manhattan, KS  
August 4-6, 2009, West Lafayette, IN  
August 2-4, 2010, Stillwater, OK

Countries Represented: USA, Australia, Argentina, Brazil, Canada, Mexico, Germany, France, China, India, Japan, Kenya, Suriname, Malaysia, Ethiopia, Philippines, Russia

**Potential Future Hosts:**

AGCO  
AgLeader  
University of Arkansas  
Auburn University  
CIMMYT  
Clemson  
Colorado State University  
John Deere  
University of Kentucky  
Louisiana State University  
Ohio State University  
University of Maryland  
Mississippi State University  
Pioneer  
Virginia Tech

  
