Monday October 6, 2014
4:00 - 6:00 PM Registration, NIU Conference Center Lobby
5:00
6:00 Dinner
7:00 - 8:00 PM Opening Session - NIU Conference Center
Welcome Larry Miller, DISCOVER Conference Series and DC28 Co-chair Randy Shaver, Univ. of Wisconsin
Conference Keynote: Outlook on Global Demands for Starch Sources & Impacts on Availability and Costs for Livestock Feeds. Rick Tolman, National Corn Growers
8:00 ADJOURN

Tuesday October 7, 2014
7:00 - 8:00 AM Continental breakfast, NIU Conference Center Lobby
8:00 - 12:00 PM Session 1 – Ruminant Session I. Moderator: Bill Weiss, The Ohio State Univ.
Welcome and Announcements
Is Starch a Required Nutrient in Dairy Cattle Diets? Mike Allen, Michigan State Univ.
Is Starch a Required Nutrient in Beef Cattle Diets? Galen Erickson, Unv. of Nebraska
Discussion
9:40-10:10 BREAK
Sites of Starch Digestion – Ruminal, Intestinal, Hindgut, Total Tract Gerald Huntington, North Carolina State Univ.
Post-Absorptive – Propionate vs. Glucose etc. Shawn Donkin, Purdue Univ.
Discussion
12:00-12:50 LUNCH
1:15 - 4:00 PM Session 2 - Cereal Crop Session. Moderator: Pat Hoffman, Univ. of Wisconsin
Physico-Chemistry of Cereal Grains that Influence Ethanol Production. Vijay Singh, Univ. of Illinois
Historic and Current Genetic Variation in Corn Endosperm Types Paul Scott, USDA, Iowa State Univ.
Discussion
3:15-4:00 BREAK
4:00 - 5:00 PM Session 3 - Ruminant Session II. Moderator: Galen Erickson, Univ. of Nebraska
The Latest on the Impact of Ruminal Acidosis on Animal Health and Performance. J. C. (Kees) Plaizier, Univ. of Manitoba
Discussion
5:00 ADJOURN

Wednesday October 8, 2014
8:00 - 12:00 PM Session 4 – Lab Analyses & Modeling Session. Moderator: Mike Allen, Michigan State Univ.
Laboratory Evaluation of Dry and Ensiled Grain Physico-Chemistries. Pat Hoffman, Univ. of Wisconsin
Starch Digestibility Assays. Ralph Ward, Cumberland Valley Analytical Services, Inc.
Discussion
9:30-10:00 BREAK
Modeling Ruminal and Total Tract Starch Digestion. Jeff Firkins, The Ohio State Univ.
Current and Potential Application of Starch and its Digestibility in Diet Formulation. David Weakley, Forage Genetics, Inc. and John Metcalf, Nutreco
Discussion
11:45-12:45 LUNCH
12:45 - 5:00 PM Session 5 - Work Group Sessions
- Starch and Starch Digestibility Assays for Feeding Ruminants
  PC Facilitator – Rick Grant, Miner Institute; Speaker – Dave Mertens, Mertens Innovations & Research LLC
- Modeling
  PC Facilitator – Mike Allen, Michigan State Univ.; Speakers - David Weakley, Forage Genetics, Inc. and John Metcalf, Nutreco
- Genetic Diversity and Potential Selection for Starch Properties in Corn
  PC Facilitator – Pat Hoffman, Univ. of Wisconsin; Speaker – Francis Glenn, Glenn Seeds Ltd., Guelph, Canada
- Ensiled Starch Sources
  PC Facilitator – Randy Shaver, Univ. of Wisconsin; Speaker – Limin Kung, Univ. of Delaware
- Animal Health – i.e. Acidosis, SARA, Laminitis, Transition Cows, Environmental Interactions
  PC Facilitator – Galen Erickson, Univ. of Nebraska; Speaker – Dairy: Heather Dann, Miner Institute
- Processing & Enzyme Opportunities
  PC Facilitator – Bill Weiss, The Ohio State Univ.; Speaker – Karen Beachemins, Ag Canada, Lethbridge
3:15-3:45 BREAK
Work-group reports and discussion. Moderator: Rick Grant, Miner Institute
5:00 ADJOURN

Thursday October 9, 2014
8:00 - 12:00 PM Session 6 – Ruminant Session III. Moderator: Randy Shaver, Univ. of Wisconsin
Dietary Starch Inter-Relationships with Other Nutrients
Non-Starch Carbohydrates. Bill Weiss, The Ohio State Univ.
Protein. Masahito Oba, Univ. of Alberta
Fat/Fatty Acids. Tom Jenkins, Clemson Univ.
Discussion
10:00-10:30 BREAK
DC28 Wrap Up. Randy Shaver, Univ. of Wisconsin
11:30 ADJOURN