

16th ADSA DISCOVER Conference on Food Animal Agriculture:
Direct Fed Microbials/Prebiotics for Animals: Science and Mechanisms of Action
Brown County Inn in Nashville, IN
April 19-22, 2009
Sponsored by the American Dairy Science Association

Final Conference Schedule

All conference activities will be held in the Ballroom at Brown County Inn unless otherwise specified.

Sunday, April 19, 2009

4:00-6:00 PM Registration

Opening Session

6:00 – 8:15 Welcome Reception and Dinner: Salt Creek Golf Retreat

Welcome

Larry Miller (ADSA Discover Conferences, Centreville, MD)
Stan Gilliland (Oklahoma State University, Dept. Animal Science, Stillwater, OK)
Steve Ricke (University of Arkansas, Dept. Food Science, Fayetteville, AR)

Overview of Direct Fed Microbials

Todd Callaway (USDA-ARS, Southern Plains Agricultural Rch Ctr, College Station, TX)

Monday, April 20, 2009

7:00–8:00 AM Breakfast

8:00 AM – 12:00 PM Morning Session I – Overview of Direct Fed Microbials and Prebiotics

Moderator: Stan Gilliland (Oklahoma State University, Dept. Animal Science, Stillwater, OK)

Introductory Comments – Larry Miller (ADSA Discover Conferences, Centreville, MD)

Function of Normal Intestinal Microbiota in Animal Health

John Patterson (Purdue University, Dept. Animal Science, West Lafayette, IN)

Current Status and Future Prospects of Direct Fed Microbials and Prebiotics

Steve Ricke (University of Arkansas, Dept. Food Science, Fayetteville, AR)

Discussion

9:45 **Break**

What Are Direct Fed Microbials?

Steven Woskow (Agtech Products Inc., Waukesha, WI)

Prebiotics of Plant and Microbial Origin

George Fahey (University of Illinois, Dept. of Animal Sciences, Urbana, IL)

General Discussion Period – all morning speakers

12:00 Lunch

1:00 – 5:15 PM Afternoon Session II – Overview of Direct Fed Microbials and Prebiotics (continued)

Moderator: George Fahey (University of Illinois, Dept. of Animal Sciences, Urbana, IL)

Microbial Species Involved

Lacey Guillen (Oklahoma State University, Dept. Animal Science, Stillwater, OK)

Important Characteristics and Selection

Stan Gilliland (Oklahoma State University, Dept. Animal Science, Stillwater, OK)

Discussion – both speakers

2:30 **Break**

Panel: Challenges of Delivery of Microbials to Animals

Ruminants

Matt Garner (MicroBios, Cornell Business and Technology Park, Ithaca, NY)

Non-ruminants

Ellen Davis (Agtech Products Inc., Waukesha, WI)

Aquaculture

Wendy Sealey (Hagerman Fish Culture Experiment Station, Hagerman, ID)

Discussion Period – all afternoon speakers

5:15 **Adjourn**

Dinner on your own - Evening free for further discussions, networking and interactions

Tuesday, April 21, 2009

7:00-8:00 AM Breakfast

8:00 – 11:45 AM Morning Session III - Panel: Mechanisms of Action of Direct Fed Microbials
Moderator: Billy Hargis (University of Arkansas, Dept. Poultry Sci. Fayetteville, AK)

Control of Pathogens – brief comments by moderator

Gloria Solamo-Aguilar (USDA-ARS; Diet, Genomics and Immunol Lab, Beltsville, MD)

Jim Croom and Matt Koci (NC State University, Poultry Science, Raleigh, NC)

Discussion

10:00 **Break**

Improved Growth and Performance – brief comments by moderator

Steve Rust (Michigan State University, Dept. Animal Science, East Lansing, MI) 11:05

Discussion

11:45 **Lunch**

1:00 – 4:00 PM Afternoon Session IV - Panel: Animal Species Applications – Direct Fed Microbials and Prebiotics

Moderator: John Patterson

Pets

David Harmon (University of Kentucky, Dept. Animal Science, Lexington, KY)

Poultry

Billy Hargis (University of Arkansas, Dept. Poultry Sci. Fayetteville, AK)

2:00 **Break – Ice Cream Social**

Aquaculture

Addison Lawrence (AgriLife Research Mariculture Lab., Port Aransas, TX)

Discussion Period – all three speakers

4:00 **Adjourn**

Wednesday, April 22, 2009

7:00–8:00 AM Breakfast

8:00 – 11:40 AM Morning Session V - Panel: Animal Species Application (continued)

Moderator: Stan Gilliland (Oklahoma State University, Dept. Animal Science, Stillwater, OK)

Swine

Robin Anderson (USDA-ARS, Southern Plains Agri Rch Ctr, College Station, TX)

Dairy Cattle

Doug Ware (Nutritional Physiology Corp, Chapel Hill, NC)

Beef Cattle

Clint Krehbiel (Oklahoma State University, Dept. Animal Science, Stillwater, OK)

9:30 **Break**

Discussion Period – all morning speakers

Conference “Wrap-up”

Todd Callaway (USDA-ARS, Southern Plains Agricultural Rch Ctr, College Station, TX)

11:40 **Adjourn Conference**