Amino Acid Requirements of Dairy Cows

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Amino Acid Requirements of Dairy Cows
August 28-31, 2005  Abe Martin Lodge
Nashville, Indiana
Sponsored by American Dairy Science Association

Members of the research & academic community, leading consultants, industry leaders involved in supplying amino acid based feedstuffs to the dairy industry, and members of governmental and regulatory agencies are encouraged to participate in this interactive program.

Amino Acid Requirements of Dairy Cows will bring together individuals interested and involved in research and application that focuses on the amino acid requirements of dairy cows and nutritional strategies designed to meet these requirements in an effort to expose current knowledge and stimulate future investigations. The conference will include discussions of current knowledge, industry perspectives on future knowledge needed to address practical problems, and future research objectives.

Who should attend? Members of the research & academic community, leading consultants, industry leaders involved in supplying amino acid based feedstuffs to the dairy industry, and members of governmental and regulatory agencies are encouraged to participate in this interactive program.

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Conference Topics
- Opening Session: Why should we be interested in the amino acid requirements of dairy cows?
- Session I: Current knowledge of amino acid requirements.
  - General perspective
  - Maintenance requirements
  - Growth, reproduction, and fetal requirements
  - Mammary gland requirements
- Session II: Ruminal considerations regarding amino acid nutrition
  - Basic terminology used in protein nutrition and rumen amino acid requirements
  - Rumen nitrogen dynamics
- Session III: Post ruminal considerations
  - Absorption and post hepatic delivery of amino acids
  - Regulation of amino acid use in splanchnic tissues
  - Milk protein synthesis as a function of amino acid supply
- Session IV: Industry perspectives: Information needed to address practical problems
  - Session V: Metabolic and mammary considerations
  - Regulation of amino acid uptake and utilization in the porcine mammary gland
  - Metabolic regulation of amino acid utilization
- Session VI: Future research and application
  - Modeling amino acid needs of the dairy cow
  - Output variability from the rumen on amino acid flow
  - Amino acid requirements of the dairy cow: conference perspective

Conference Format
Programs focus on topics of importance to the science of food animal agriculture and are held in a relaxed, informal setting. Sessions for this conference will be primarily in the mornings and evening, with afternoons free for discussion, networking and relaxation.

Registration Fee
Registration postmarked by July 28, 2005 is $395.00, which includes sessions and most meals. After July 28, the registration fee will be $495.00 and will be accepted on an availability basis. To optimize interaction among participants, registration will be limited to the first 120 applications received.

Accommodations
The conference will be held at the Abe Martin Lodge in Brown County State Park near Nashville, Indiana (50 miles south of Indianapolis). All participants are responsible for making their own lodging reservations. Reservations can be made online at http://www.indianainns.com/, Group Code: 8265. You will also be sent a housing form upon receipt of your conference registration, by request, or by visiting the DISCOVER Conferences Web site.

Travel
The site is about one hour south of the Indianapolis International Airport and is easily accessible from I-65. Shuttle service and rental cars are available at the airport. Advance reservations are necessary for shuttle service. The meeting site is 15 miles off I-65 and is midway between Columbus and Bloomington, Indiana.

For complete conference information, including the latest program and registration materials, go to: http://www.adsa.org/discover/