

## *Legacies of Leadership*

### **John M. Airy**

John M. Airy is a person of vision and accomplishments in both the seed corn business and improvements of beef cattle management practices and genetics. This symposium is the second event in the John M. Airy Symposium series.

### **Iowa State University**

The Department of Animal Science at Iowa State University has provided over a century of education and innovation in support of the animal industry. To continue this tradition, a John M. Airy Symposium was held in 2003 to address breeding and genetics. Now, in 2006, *The John M. Airy Symposium: Visions for Animal Agriculture and the Environment* will provide a forum for discussing the future challenges and solutions which the livestock industry must address with research.

### **Visions for the Future**

With new technologies rapidly unfolding and efforts to enhance federal funding for environmental research well under way, now is the time, and this symposium is the place, to define visions for the future course of livestock production and the environment.

### **University Nondiscrimination Statement**

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## *Event Sponsors:*

### **The John M. Airy Symposium**



### *Organizing Committee:*

Dr. Jim Reecy

Dr. Daryl Strohbehn

Dr. Wendy Powers

Dr. Jim Russell

Dr. Allen Trenkle

Dr. Robert Burns

Visit the Symposium web site at:  
[http://www.iowabeefcenter.org/content/Airy\\_home.htm](http://www.iowabeefcenter.org/content/Airy_home.htm)

John M. Airy Symposium  
c/o Iowa Beef Center  
337 Kildee Hall, ISU campus  
Ames, IA 50011

# **Visions for Animal Agriculture and the Environment**

# The John M. Airy Symposium 2006:

## Visions for Animal Agriculture and the Environment

### Objectives

Several key outcomes are envisioned for this conference. These include:

- 1) Define the environmental hurdles that limit progressive livestock production.
- 2) Outline a vision of how to overcome these limitations.
- 3) Prioritize future livestock and environmental research.

### Format

Keynote speakers will discuss the future research needs of livestock production and the environment, and provide the stepping stones for addressing those needs. Selected individuals will lead breakout sessions to prioritize future research needs and formulate a draft recommendation.

In addition, submission of posters of contemporary research is encouraged.

### Audience

- Industry Representatives
- Government Officials
- Agricultural and Biosystems Engineers
- Environmental Consultants
- Graduate students
- Animal Scientists
- Environmental Organizations
- Nutrition Consultants

### Location

The sessions will be held at the Embassy Suites Hotel, located just four miles from Kansas City International Airport. The hotel features complimentary shuttle service to and from the airport several times daily.

**Embassy Suites**  
**7640 NW Tiffany Springs Parkway**  
**Kansas City, Missouri 64153**  
**phone: (816)891-7788**



### Registration and Schedule Information

For more detailed registration information and schedule, please visit the symposium web site at:  
[http://www.iowabeefcenter.org/content/Airy\\_home.htm](http://www.iowabeefcenter.org/content/Airy_home.htm)

### Confirmed Speaker List

**Richard Hegg, CSREES/USDA**

Opening Address

**James Galloway, University of Virginia**

The Challenge of Worldwide Livestock Nitrogen Production

**Marc Vanacht, AG Business Consultants**

Six Mega Trends In Agriculture

**Don Johnson, Colorado State University**

Improvement of Pre-Excretion Nutrient Utilization

**Ted Funk, University of Illinois**

Improvement of Post-Excretion Nutrient Utilization

**Vivien Allen, Texas Tech University**

Challenges and Opportunities of Grazing on the Environment

**Seerp Tamminga, Wageningen University, Netherlands**

Modeling the Environmental Impacts: Animal Scale

**Danny Fox, Cornell University**

Modeling the Environmental Impacts: System Scale

**Al Rotz, USDA-ARS**

Modeling the Environmental Impacts: Integrated Farming Systems

**Rick Koelsch, University of Nebraska**

**Mark Powell, USDA-ARS**

Whole Farm Environmental Accountability

**John Sweeten, Texas Animal Experiment Station**

**Ralph Summers, EPA**

What's Ahead in Environmental Regulations

**Brent Auvermann, Texas A&M University**

Synthesizing and Setting Research Priorities

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