



12th Annual

SWINE DISEASE CONFERENCE FOR SWINE PRACTITIONERS

COLLEGE OF VETERINARY MEDICINE
November 11-12, 2004
Scheman Building-
Iowa State University
Ames, Iowa

CONFERENCE GOALS

- To enable swine practitioners to assist producers in a rapidly changing and global production environment.
- To provide practical information about disease and management conditions encountered in daily practice.
- To enhance practitioner decision-making tools in disease control, animal welfare, and food safety for the benefit of animals, clients and consumers.

CONFERENCE CO-SPONSORS

COLLEGE OF VETERINARY MEDICINE

IOWA PORK INDUSTRY CENTER

AMERICAN ASSOCIATION OF SWINE VETERINARIANS, DISTRICT 6

IOWA STATE UNIVERSITY

THURSDAY, NOVEMBER 11, 2004

- 8:00 Registration
- Moderator: Dr. Kent Schwartz*
- 9:00 Dean's Message
Dr. John Thomson, Dean of the College of Veterinary Medicine, Iowa State University
- 9:15 Circovirus-associated Diseases Update
Dr. Pat Halbur, VDPAM, Iowa State University
- 9:45 BREAK
- 10:15 Edema Disease — Field Problems and Observations
Dr. John Hicks, Carroll Veterinary Clinic, Carroll, IA
Dr. Chris Rademacher, New Fashion Pork, Jackson, MN
- 10:45 Edema Disease — Systems Approach
Dr. Locke Karkiker, VDPAM, Iowa State University
- 11:05 Influenza — Update from the Diagnostic Lab
Dr. Bruce Janke, Interim Director Veterinary Diagnostic Laboratory, VDPAM, Iowa State University
- 11:35 Influenza — International Research Overview
Dr. Juergen Richt, National Animal Disease Center, Ames, IA
- 12:00 LUNCH
- Moderator: Dr. John Carr*
- 1:00 National Animal Identification Program — Practitioner Involvement
Dr. James McKean, VDPAM, Iowa State University
- 1:20 Ileitis Update — Control and Treatment Perspectives
Dr. Steve McOrist, Bungy Corporation, Australia
- 1:50 *H. parasuis* — Case Definition and New Diagnostics
Dr. Dianna Jordan, VDPAM, Iowa State University
- 2:10 *H. parasuis* — Novel Proteins — Hopes for Vaccine??
Dr. Jerry McVicker, Boone, IA
- 2:30 Humane Euthanasia — On-farm Applications
Dr. Morgan Morrow, North Carolina State University
- 3:00 BREAK

- 3:30 Biosecurity Practices — What Is Known?
Dr. Sandy Amass, Purdue University
- 4:00 Biosecurity Practices — How to Audit Success?
Dr. Morgan Morrow, North Carolina State University
- 4:30 Biosecurity — Measuring Transport Risks
Dr. Hans Rotto, Christiansen Brothers, Sleepy Eye, MN
- 4:45 Bioterrorism Awareness Programs in Iowa
Drs. Jim Roth and Radford Davis, VMPM, Iowa State University
- 5:30 SOCIAL/MIXER
Swine-interest students invited

FRIDAY, NOVEMBER 12, 2004

- Moderator: Dr. Hank Harris*
- 8:00 Clinical Manifestations in Sows — Agent X/ Porcine Reproductive and Neurologic Syndrome
Dr. Mark Fitzsimmons, Swine Graphics Enterprises, Webster City, IA
- 8:15 Clinical Manifestations of a Neurologic Syndrome in Grow-finish Swine
Dr. Jeff Blythe, Orange City Veterinary Clinic, Orange City, IA
- 8:30 Porcine Dermatitis and Nephropathy Syndrome (PDNS) — European Style
Dr. John Carr, VDPAM, Iowa State University
- 8:45 Clinical and Diagnostic Considerations for an Acute, High Mortality Syndrome in Grow-finish Swine
Dr. Jerry Torrison, Swine Vet Center, St. Peter, MN
- 9:00 Australian Experiences with an Emerging Disease?? — Porcine Myocarditis Virus
Dr. Steve McOrist, Bungy Corporation, Australia
- 9:30 Sudden Presentation of Idiopathic Vesicular Disease in a Swine Herd— Clinical Picture and Practitioner Response
Dr. Sandy Amass, Purdue University
- 9:50 Practitioner Responsibilities when an FAD/ Emerging Disease is Suspected
Dr. John Schiltz, State Veterinarian, State of Iowa, Des Moines, IA
- 10:00 BREAK

10:30 Processed Verified Production (PVP) in Pig Production — What Is It and Why Should Practitioners Care?

Michael Telford, American Berkshire Association, Granger, IA

11:00 Nontraditional Production Systems in Iowa/Midwest

Mark Storlie, ISU Cooperative Extension Livestock Field Specialist

11:30 Veterinary Issues in Nontraditional Production Systems

Dr. Steve Schwarting, Osage Veterinary Clinic, Osage, IA

12:00 LUNCH

Moderator: Dr. Locke Karriker

1:00 Basics of PCR Technology

Dr. Karen Harmon, VDPAM, Iowa State University

1:30 Diagnostic Applications of PCR Technology — System Monitoring Perspectives

Dr. Christa Irwin, Murphy-Brown, Nevada, MO

2:00 Diagnostic Applications of PCR Technology — A Practice Perspective

Dr. Jim Lowe, Carthage, IL

2:30 Whole Herd Exposure — Review of Techniques for TGE and PRRS Control

Dr. Jerome Geiger, PIC, Henderson, TN

3:00 PRRS — Infectious Doses and Routes of Exposure

Dr. Joe Hermann, VDPAM, Iowa State University

3:30 PRRS — Persistence in Grow-finish Systems

Dr. Locke Karriker, VDPAM, Iowa State University

4:00 Adjourn

Proceedings

Additional copies of the conference proceedings are \$20 for registered participants. Others not attending the conference may purchase copies for \$60 each.

Continuing Education Credits

Upon completion of this conference, you will receive 14.0 hours CE credits.

Lodging in Ames

Two motels at the intersection of U.S. 30 and Elwood Drive (Exit 146), Ames have blocks of rooms reserved for this conference. Make your reservations before October 18, 2004 to guarantee a room.

The conference rate is \$79 at The Hotel at Gateway Center. Contact the hotel directly at (515) 292-8600 or (800) 367-2637 or online at www.thehotelgatewaycenter.com.

The conference rate is \$69.95 at Baymont Inn & Suites. Call (515) 296-2500 or (800) 428-3438 or online at www.baymontinns.com/ames.

Directions and Parking

The Scheman Building is located in the Iowa State Center on the Iowa State University campus. From Interstate 35, take U.S. Highway 30 west into Ames. Take the Elwood Drive exit and go north past Jack Trice Stadium. The Scheman Building is located between Hilton Coliseum and C.Y. Stephens Auditorium. Free parking is available adjacent to the Scheman Building.

Further Information

For questions about program content, contact Dr. Jim McKean, x2mckean@iastate.edu or (515) 294-8790. For registration questions, contact Peg Uthe, pluthe@iastate.edu or (515) 294-6222.

Emergency Messages

During conference hours, messages may be left at (515) 294-3347 or fax to (515) 294-6223. Messages will be posted on the board by the elevators, Scheman first floor lobby.

Special Needs

If you need accommodations for a disability or dietary restriction, please call Carolyn at (515) 294-6222.

Tax Deduction

The expense of continuing education, when taken to maintain and improve professional skills, is tax deductible. Contact your accountant for details.

Change in Plans?

If you cannot attend the conference, you may send a substitute. If you cancel your registration by October 28, your registration will be refunded less a \$20 processing charge. Call Carolyn at (515) 294-6222. No refunds will be made after October 28, 2004.

IOWA STATE UNIVERSITY

Swine Disease Conference
University Conference Services
102 Scheman Building
Ames, Iowa 50011-1112
P300-1856



12th Annual

SWINE DISEASE CONFERENCE FOR SWINE PRACTITIONERS

COLLEGE OF VETERINARY MEDICINE
November 11-12, 2004
Scheman Building, Iowa State University
Ames, Iowa

Register Today
online at www.uccs.iastate.edu/online.htm
or fax (515) 294-6223



It's Easy to Register!

BY MAIL
University Conference Services
102 Scheman Building
Iowa State University
Ames, Iowa 50011-1112

BY FAX
(515) 294-6223

ONLINE
www.ucs.iastate.edu/online.htm

EARLY REGISTRATION ENDS OCTOBER 28, 2004

12TH ANNUAL SWINE DISEASE CONFERENCE • NOVEMBER 11-12, 2004

1. Participant Information

NAME First Middle initial Last

E-MAIL

PHONE Daytime Evening Cell Fax

ORGANIZATION

Address line 1

Address line 2

City State Zip Code Country

Special Needs? Please list below

2. Registration	By 10/28/04	After 10/28/04	
<input type="checkbox"/> Swine Disease Conference**	\$180	\$210	(U.S. Dollars)
<input type="checkbox"/> Conference — one day only	\$105	\$105	(U.S. Dollars)
Which day will you attend? Thursday___ Friday___			
<input type="checkbox"/> Second copy of proceedings (with registration)	\$20	\$20	(U.S. Dollars)
<input type="checkbox"/> Proceedings only (with no registration)	\$60	\$60	(U.S. Dollars)
<input type="checkbox"/> ISU Faculty/Student lunch ticket	\$15 per ticket	\$15 per ticket	(U.S. Dollars)
Which day will you attend? Thursday___ Friday___			
	TOTAL \$___	\$___	

**The registration fee includes one copy of the conference proceedings, lunch and breaks both days, and the Thursday evening reception.

3. Method of Payment

Check (payable to Iowa State University)

Credit card Visa MasterCard Discover

Cardholder Name Signature Card Number Expiration Date

Purchase Order - Please attach a copy PO Number

BILLING ADDRESS Organization In care of/attention

Address line 1

Address line 2

City State Zip Code Country

*Iowa State University does not discriminate on the basis on race, color, age, religion, national origin, sexual orientation, sex, marital status, disability, or status as a U.S. Vietnam Era Veteran. Any persons having inquiries concerning this may contact the Director of Equal Opportunity and Diversity, 3630 Beardshear Hall, (515) 294-7612.

ABOUT THE CONFERENCE

The Iowa State University College of Veterinary Medicine, the Iowa Pork Industry Center, and the American Association of Swine Veterinarians (AASV), District 6, sponsor the 12th Annual Swine Disease Conference. The program is designed to answer daily concerns of swine practitioners.

The conference focuses on emerging swine pathogens and their control, and improvements in diagnostics and risk-based controls useful for on-farm health plan development. Special emphasis is on information necessary to formulate management plans for disease control, for biosecurity, and for food safety enhancement.

CONFERENCE OBJECTIVES

To present diagnostic and disease management techniques for effective control of important swine diseases including

- 1.) assisting producers in a rapidly changing and global production environment,
- 2.) practical information about disease and management conditions encountered in daily practice, and
- 3.) enhancing practitioner decision-making tools in disease control, animal welfare, and food safety for the benefit of animals, clients and consumers.

The College of Veterinary Medicine and the Iowa Pork Industry Center are dedicated to strengthening pork production through the appropriate use of existing and emerging technologies and application of scientific knowledge. Swine practitioners represent a readily identifiable resource and vehicle for this technology dissemination and implementation to pork producers of all types. One goal of this conference is to provide swine practitioners with new and emerging technologies and procedures that can be applied at the herd and state level to improve production and product safety and quality.

Diagnostic test implementation and better understanding of disease pathogenesis are tools that swine practitioners can use for improved swine productivity and welfare. A goal of the conference planners is to provide timely, science-based information to aid swine practitioners in meeting these varied, daily practice challenges. Your comments and concerns are welcome.

Conference Planning Committee
Dr. John Carr, Dr. D.L. "Hank" Harris, Dr. David Larson,
Dr. Locke Karriker, Dr. James McKean (chair),
Dr. Kent Schwartz