

Sam M. Hanni

Work Address:

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Education

Kansas State University, Master of Science

Major: Animal Sciences and Industry
Emphasis: Swine Nutrition
Major Advisor: Dr. Mike D. Tokach
October, 2003

Kansas State University, Bachelor of Science

Major: Animal Science and Industry
December, 2000

Organizations

Habitat for Humanity 2005
Theta Xi, 1996 – present
American Society of Animal Science, 2003 – present
Kansas State University Alumni Association, 2001 – present
Kansas State University Graduate Student Association 2002-2003
KSHSAA, 1999 – 2001
American Dairy Science Association, 1996 – 1998
Dairy Science Club, 1996 – 1998

Academics

Wendell Moyer Enrichment Grant, 1999

Work

Experience

Purdue University (February, 2004 – present) West Lafayette, IN
Research Technician

- Involved in all aspects of design, implementation, and data analysis of research experiments
- Primary research experience
 - Laboratory evaluation of additives on the effect of gas and odor emissions from livestock and human waste
 - Odor Control for Deep Pit Swine Confinement Facilities: Testing the Rapp Technology
- Designed, constructed, and tested experimental equipment
- Wrote and reviewed QAPP, SMP's, and SOP's for NAEMS and EPA
- Coordinated and assisted in the remodeling and appearance of PAAQL laboratories

Kansas State University (January 2002 – October 2003)

Manhattan, KS

Graduate Research Assistant

- Involved in all aspects of design, implementation, and data analysis of research experiments

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- Primary research experience
 - Influence of Ca:P ratio on growth performance and bone ash of grow finish pigs
 - Effects of feeding Chicory on the odor characteristics of swine manure

Teaching Assistant

- Assisted professors with their undergraduate teaching requirements
- Responsibilities included assisting with lecture or labs, answering homework questions, lecturing, creating homework or test questions, grading quizzes and exams, and recording grades
- Classes assisted with:
 - Principles of Feeding Spring 2002
 - Genetics Fall 2002
 - Livestock and Meat Evaluation Spring 2003

Premium Standard Farms, (June – August 2003)

Research Intern

- Collaborated and summarized data into reports
- Coordinated intern research projects
- Assisted in pork quality research at packing plant
- Assisted in genetic performance evaluations
- Designed data collection spreadsheets

New Horizon Farms Swine Facilities (January 2001 – December 2001)

Pipestone, MN

Manager of Research Facilities

- Worked in conjunction with Kansas State University on grow–finish nutrition trials
- Managed six 1300 head finishers
- Responsible for herd health, environmental control, biosecurity, feed budgeting, and maintenance of facilities and experimental equipment
- Other responsibilities included bleeding grow–finish pigs for PRRS test, and assisting load out crews throughout the rest of finisher systems

Haverkamp Brothers Inc (Summer, 2000 & Fall, 2003) Bern, KS

- Managed 2,000 head swine nursery and two-1,000 head finishers
- Delivered grow–finish pigs to various contract farms
- Assisted contract farms dealing with ventilation and animal health management
- Conducted various maintenance jobs throughout the farm including welding, electrical work, manure application, and mowing

Premium Standard Farms (Summer, 1999) Princeton, MO

- Worked at the Tearre Haute Offsite Nursery learning about general health care, animal placement, and ventilation
- Conduct research correlating belly ruptures to specific sow units
- Conduct research to determine different phase feeding regiments on growth performance

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New Horizon Farms Swine Facilities (Summer, 1998) Pipestone, MN

- Worked in conjunction with Kansas State Swine Research Lab and New Horizon Farms on sow nutrition trials
- Worked in a 3500 sow unit learning gestation barn flow; estrus detection, A.I., baby pig care, and sow body condition
- Worked in nursery and finisher barns learning about general health care, animal placement, ventilation, and marketing

Kansas State University Swine Research Laboratory (Jan, 1998 – Dec, 2000)

Undergraduate Research Assistant

- Assisted graduate students on research projects involving nutrition and reproduction related topics
- Conducted a grow finish trial to determine the interactive effects of pen and dietary crude protein levels on growth and carcass composition
- Conducted particle analysis on feed samples for production

Computer Skills

AutoCAD, Microsoft Excel, Word, and PowerPoint

Professional Skills

Carpentry, Electricity, Welding, and Plumbing

Scientific Publications

Peer-Reviewed Papers (2 published)

Hanni, S. M., M. D. Tokach, R. D. Goodband, PAS, S. S. Dritz, J. M. DeRouchey, and J. L. Nelssen, 2005 Effects of increasing calcium-to-phosphorus ratio in diets containing phytase on finishing pig growth performance. *Prof. Anim. Sci.* 21:59-65.

Ni Jiqin, A. J. Heber, **S. M. Hanni**, T. T. Lim, C. A. Diehl, 2005 Laboratory Evaluation of an Additive's Effect on Gas and Odor Emissions from Layer Manure. ASAE Annual International Meeting. Paper Number: 054029.

Abstracts (1 published)

Hanni, S. M., M. D. Tokach, R. D. Goodband, S. S. Dritz, and J. L. Nelssen, 2003 Effects of increasing calcium:phosphorus ratio in diets containing phytase on growth performance of grow-finish pigs. *J. Anim. Sci.* 81 (Suppl. 2): 207 (Abstr.).

Swine Day Publications (7 published)

Hanni, S. M., M. D. Tokach, J. L. Nelssen, R. D. Goodband, S. S. Dritz, M. R. Barker, C. N. Groesbeck, K. R. Lawrence, and M. G. Young. 2003. The effects of reducing dietary crude protein and/or adding chicory on composition and odor of stored swine manure. Kansas State University Report of Progress. 898. p. 193.

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Hanni, S. M., M. D. Tokach, J. L. Nelssen, R. D. Goodband, S. S. Dritz, M. R. Barker, C. N. Groesbeck, T. P. Keegan, K. R. Lawrence, M. G. Young, and B. W. James. 2002. Effects of increasing CA:P Ratio in diets containing phytase on growth performance of grow-finish pigs. Kansas State University Report of Progress. 897. p. 162.

Lawrence, K. R., R. D. Goodband, M. D. Tokach, J. L. Nelssen, S. S. Dritz, J. M. DeRouchey, C. W. Hastad, **S. M. Hanni**, M. R. Barker, and B. W. James. 2002. Effects of different protein sources on growth performance of nursery pigs. Kansas State University Report of Progress. 897. p. 102.

Lawrence, K. R., R. D. Goodband, M. D. Tokach, J. L. Nelssen, S. S. Dritz, J. M. DeRouchey, C. W. Hastad, **S. M. Hanni**, M. G. Young, M. J. Webster, M. R. Barker, B. W. James, and C. N. Groesbeck. 2002. Effects of soybean meal source and level on growth performance of weanling pigs. Kansas State University Report of Progress. 897. p. 94.

Lawrence, K. R., R. D. Goodband, M. D. Tokach, J. L. Nelssen, S. S. Dritz, J. M. DeRouchey, **S. M. Hanni**, C. N. Groesbeck, C. W. Hastad, M. G. Young, B. W. James, and T. P. Keegan. 2002. Evaluation of the effects of wheat gluten source and animal plasma blends on the growth performance of nursery pigs. Kansas State University Report of Progress. 897. p. 81.

Lawrence, K. R., R. D. Goodband, M. D. Tokach, J. L. Nelssen, S. S. Dritz, J. M. DeRouchey, C. W. Hastad, **S. M. Hanni**, M. R. Barker, and B. W. James. Evaluation of wheat gluten and spray-dried animal plasma on growth performance of nursery pigs. 2002. Kansas State University Report of Progress. 897. p. 88.

Barker, M. R., S. S. Dritz, R. D. Goodband, M. D. Tokach, C. N. Groesbeck, **S. M. Hanni**, C. W. Hastad, T. P. Keegan, K. R. Lawrence, and M. G. Young. Effects of Paylean (Ractopamine HCl) on finishing pig growth and variation. Kansas State University Report of Progress. 897. p. 127.

Presentations

Abstract Presentations

Effects of increasing calcium: phosphorus ratios in diets containing phytase on growth performance of grow-finish pigs. Midwest Animal Science Meetings, Des Moines, IA, 2003.

The effects of reducing dietary crude protein and/or adding chicory on composition and odor of stored swine manure. Midwest Animal Science Meetings, Des Moines, IA, 2004.

Other Presentations

Kansas State University Swine Seminar

Mycoplasmal Pneumonia of Swine. Swine Seminar, Spring 2003.

Kansas State University Swine Seminar

Effects of Copper on Swine Growth Performance. Swine Seminar, Spring 2002.

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Major Professional Development-Subject Matter

Midwest Animal Science Meeting, Des Moines, IA 2002-2004

Swine Profitability Conference, Manhattan, KS, 1998-2003

American Assn. of Swine Veterinarians Annual Meeting, Kansas City,
MO, 2002

Major Professional Development-Non-Subject Matter

Introduction to Type Myers-Briggs by Lisa Tokach, 2002

Goal Setting and Time Management by Denny McKilligan, 2002