

Peer reviewed publications:

1. Abell, C. E., J. W. Mabry, J. C. M. Dekkers, and K. J. Stalder. 2012. Genetic and phenotypic relationships among reproductive and post-weaning traits from a commercial swine breeding company. *Livest. Sci.* 145:183:188.
2. Abell, C. E., K. J. Stalder, H. B. Hendricks, and R. F. Fitzgerald. 2012. Cull sow knife-separable lean content evaluation at harvest and lean mass content prediction equation development. *Meat Sci.* 91:312-317.
3. Abell, C. E., J. W. Mabry, J. C. M. Dekkers, and K. J. Stalder. 2012. Relationship between litters per sow per year breeding values and sire progeny means for farrowing rate, removal parity, and lifetime born alive. *J. Anim. Breed Genet.* (accepted).
4. Dozier, III, W.A., G.L. Cromwell, and M.D. Lindemann. 2012. Effects of porcine somatotropin administration on the responses to dietary lysine and a near-ideal blend of amino acids for growing pigs. *J. Anim. Sci.* 90:2663-2670.
5. Fitzgerald, R. F., K. J. Stalder, L. A. Karriker, L. J. Sadler, H. T. Hill, J. Kaisand, and A. K. Johnson. 2012. The effect of hoof abnormalities on sow behavior and performance. *Livest. Sci.* 145:230-238.
6. Karriker, L. A., C. E., Abell, M. D. Pairis, W. A. Holt, G. Sun, J. F. Coetzee, A. K. Johnson, S. J. Hoff, and K. J. Stalder. 2012. Validation of a lameness model in sows using physiological and mechanical measurements. *J. Anim. Sci.* (Accepted).
7. Knauer, M., K. Stalder, T. Baas, C. Johnson, and L. Karriker. 2012. Physical conditions of cull sows associated with on-farm production records. *Open. J. Vet. Med.* doi:10.4236/ojvm.2012.
8. Jacobs, B. M., J. F. Patience, M. D. Lindemann, K. J. Stalder, and B. J. Kerr. 2012. The use of a covariate reduces experimental error in nutrient digestion studies in growing pigs. *J. Anim. Sci.* (accepted).
9. Ma, Y.L., M.D. Lindemann, G.L. Cromwell, R. B. Cox, G. Rentfrow and J.L. Pierce. 2012. Evaluation of trace mineral source and pre-slaughter deletion of those minerals on performance, carcass characteristics, and pork quality in pigs. *J. Anim Sci.* 90:1-9. Published online before print June 4, 2012, doi: 10.2527/jas.2011-4535.
10. McClelland, K.M., G. Rentfrow, G.L. Cromwell, M.D. Lindemann, and M.J. Azain. 2012. Effects of corn distillers dried grains with solubles on quality traits of pork. *J. Anim. Sci.* 90:4148–4156.
11. Pairis-Garcia, M. D., A. K. Johnson, S. Millman, K. J. Stalder, and L. A. Karriker. 2012. Yohimbine (alpha 2-antagonistic reversal agent) effects on physiological recovery parameters of anesthetized sows. *J. Vet. Anaeesthesia and Analgesia* (accepted).
12. Quant, A.D., M. D. Lindemann, B. J. Kerr, R. L. Payne, and G. L. Cromwell. 2012. Standardized ileal digestible tryptophan to lysine ratios in growing pigs fed corn-based and non-corn-based diets. *J Anim Sci.* 90:1270-1279.

Conference Proceedings:

1. Stalder, K. J., L. A. Karriker, A. Johnson, C. Abell, and M. T. Nikkilä. 2012. Impacts on sow longevity. Proc. Manitoba Swine Seminar. Manitoba Swine Seminar Committee, Winnipeg, Manitoba, Canada, 26:109-120.
2. Stalder, K. J., L. A. Karriker, A. Johnson, C. Abell, and M. T. Nikkilä. 2012. Factors impacting sow longevity. Proc. Swine Breeding and Management Workshop. University of Alberta, Edmonton, Alberta, Canada, Pp . 67-77.

Extension Reports:

1. Harmon, J.D., H. Xin and D. Petersen. 2012. Conserving energy by using localized heating in swine housing. Iowa State University Extension and Outreach publications. PM 2089V
2. Harmon, J.D., M. Brumm and D. Petersen. 2012. Managing swine ventilation controller settings to save energy. Iowa State University Extension and Outreach publications. PM 2089T
3. Hanna, M., J. Harmon, and D. Petersen. 2011. Estimating payback for energy efficiency. Iowa State University Extension and Outreach publications. PM 2089S
4. Harmon, J. and D. Petersen. 2011. Indoor lighting for livestock, poultry, and farm shop facilities. Iowa State University Extension and Outreach publications. PM 2089R

Research Reports:

1. Weimer, S., A. Johnson, K. Stalder, L. Karriker, and T. Fangman. 2012. Nursery pen image capturing device to classify approachability of nursery pigs. Animal Industry Report. Iowa State University, Ames, IA 50011.
2. Weimer, S., A. Johnson, K. Stalder, L. Karriker, and T. Fangman. 2012. Location of nursery pigs in their home pen in relation to a human observer. Animal Industry Report. Iowa State University, Ames, IA 50011.
3. Weimer, S., A. Johnson, K. Stalder, L. Karriker, and T. Fangman. 2012. When nursery pigs are not approaching a human observer what are they doing? Animal Industry Report. Iowa State University, Ames, IA 50011.
4. Weimer, S., A. Johnson, K. Stalder, L. Karriker, and T. Fangman. 2012. Defining “approachability” of nursery pigs can result in differing conclusions. Animal Industry Report. Iowa State University, Ames, IA 50011.
5. Gesing, L. A. K. Johnson, K. J. Stalder, M. J. Ritter, J. Moody, T. Donovan, E. Jablonski, D. Johnson and Ang. Johnson. 2012. The influence of changing pen design from a small to large configuration on the performance of the grow-finish pig. Animal Industry Report. Iowa State University, Ames, IA 50011.
6. Gesing, L. A. K. Johnson, K. J. Stalder, M. J. Ritter, J. Moody, T. Donovan, E. Jablonski, D. Johnson and A. Johnson. 2012. The influence of small versus large pen design on health and lesion scores of the grow-finish pig. Animal Industry Report. Iowa State University, Ames, IA 50011.

7. Elsbernd, A., A. Johnson, K. Stalder, L. Karriker, A. O'Connor, T. Dinslage, and J. Bowden. 2012. Review on the impact of *Mycoplasma hyopneumoniae* vaccination in average daily gain in swine. Animal Industry Report. Iowa State University, Ames, IA 50011.
8. Vaughn, M., and K. J. Stalder. 2012. Survey of the Coarseness of Grind of Swine Feed in Iowa. Animal Industry Report. Iowa State University, Ames, IA 50011.
9. Abell, C., K. J. Stalder and J. Holl. 2012. Relationship Between Purebred and Crossbred Performance for Number Born Alive and Number Born Dead. Animal Industry Report. Iowa State University, Ames, IA 50011.

Popular Press Articles:

1. Avino, G. and K. Stalder. 2012. Tecnologia: i nuovi parametri per restare sul mercato. Suinicoltura. IL SOLE 24 ORE SpA - Sede legale Via Monte Rosa n. 91 - 20149 Milano, Italy. March Issue Pp.18-21.
2. Mabry, J., and K. Stalder. 2012. Genetic improvement of farrowing rate in pigs. Gene Link, National Swine Registry, West Lafayette, IN 47906, 7:8-9.

Abstracts:

1. R. L. Cutshaw, R. L., A. Schinckel, J. Fix, M. Brubaker, M. Einstein. 2012. Relationships of birth weight and weaning weight on performance traits in purebred pigs. J. Anim. Sci. (In Press).