

Galen E. Erickson

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EXPERIENCE

Associate Professor, Beef Feedlot Extension Specialist

July, 2006 to present

Assistant Professor, Beef Feedlot Extension Specialist

June, 2001 to July, 2006

UNIVERSITY OF NEBRASKA-LINCOLN
50% RESEARCH, 40% EXTENSION, 10% TEACHING

EDUCATION

UNIVERSITY OF NEBRASKA-LINCOLN

Doctor of Philosophy
August, 2001

UNIVERSITY OF NEBRASKA-LINCOLN

Master of Science
December, 1997

IOWA STATE UNIVERSITY-AMES

Bachelor of Science
May, 1995

Professional Memberships:

American Society of Animal Science, 1993
Professional Animal Scientist, ARPAS, 2002
Council of Agricultural Science and Technology, author and member: 2002
Phi Beta Delta, Honor Society for International Scholars, Alpha Phi Chapter: 2002
Interdepartmental Nutrition Program, University of Nebraska, member: 2002
Gamma Sigma Delta, Honor Society of Agriculture, 2004
Center for Great Plains Studies, University of Nebraska Fellow, 2005

Awards and Honors:

American Society of Animal Science Early Career Achievement Award, 2009
Midwest American Society of Animal Science Young Outstanding Researcher Award, 2009
Wendall Burgher Beef Industry Award recipient; 2007-2009
University of Nebraska-Lincoln IANR Dinsdale Faculty Award recipient, 2005

RESEARCH ACTIVITIES

My program focuses on two main areas: biofuels coproduct feeds utilized by beef cattle and nutrition-environmental interactions with focus on nitrogen and phosphorus. We have established feeding values for numerous different types of coproduct feeds that are widely used by the beef industry, with my primary emphasis on finishing beef cattle. We are also evaluating optimal dietary ingredients such as grain processing, forage type and amounts, as well as other nutrient challenges related to use of coproducts for finishing cattle.

Graduate Student Training

Supervised M.S.: 12 completed (6 currently)
Supervised Ph.D.: 7 completed (6 currently)
Served committees besides supervisory: 19

Grant Record

Lifetime total: \$ 2.4 million Industry: \$ 940,000 Government: \$ 730,000 Commodity: \$ 720,000

PUBLICATIONS

Refereed Journal Articles

- Luebbe, M. K., **G. E. Erickson**, T. J. Klopfenstein, and W. A. Fithian. 2009. Influence of corn hybrid traits and processing method on nutrient digestibility. *Prof. Anim. Scient.* 25: (in press).
- Corrigan, M. E., **G. E. Erickson**, T. J. Klopfenstein, M. K. Luebbe, K. J. Vander Pol, N. F. Meyer, C. D. Buckner, S. J. Vanness, and K. J. Hanford. 2009. Effect of corn processing method and corn wet distillers grains plus solubles inclusion level in finishing steers. *J. Anim. Sci.* (in press) 2009 : jas.2009-1836v1-20091836.
- Griffin, W. A., **G. E. Erickson**, B. D. Dicke, T. J. Klopfenstein, R. J. Cooper, D. J. Jordon, R. S. Swingle, W. M. Moseley, G. E. Sides, and D. J. Weigel. 2009. Effects of ractopamine (optaflexx) fed in combination with melengesterol acetate on feedlot heifer performance. *Prof. Anim. Scient.* 25:33-40.
- Griffin, W. A., T. J. Klopfenstein, **G. E. Erickson**, D. M. Feuz, K. J. Vander Pol, and M. A. Greenquist. 2009. Effect of sorting and optaflexx supplementation on feedlot performance and profitability of long yearling steers. *Prof. Anim. Scient.* 25:273-282.
- Harrelson, F. W., M. K. Luebbe, N. F. Meyer, **G. E. Erickson**, T. J. Klopfenstein, D. S. Jackson, and W. A. Fithian. 2009. Influence of corn hybrid and processing method on nutrient digestibility, finishing performance, and carcass characteristics. *J. Anim. Sci.* 87:2323-2332.
- Meyer, N. F., **G. E. Erickson**, T. J. Klopfenstein, M. A. Greenquist, M. K. Luebbe, P. Williams, and M. A. Engstrom. 2009. Effect of essential oils, tylosin, and monensin on finishing steer performance, carcass characteristics, liver abscesses, ruminal fermentation, and digestibility. *J. Anim. Sci.* 87:2346-2354.
- Vander Pol, K. J., M. K. Luebbe, G. I. Crawford, **G. E. Erickson**, and T. J. Klopfenstein. 2009. Performance and digestibility characteristics of finishing diets containing distillers grains, composites of corn processing coproducts, or supplemental corn oil. *J. Anim. Sci.* 87:639-652
- Buckner, C. D., T. L. Mader, **G. E. Erickson**, S. L. Colgan, D. R. Mark, V. R. Bremer, K. K. Karges, and M. L. Gibson. 2008. Evaluation of dry distillers grains plus solubles inclusion on performance and economics of finishing beef steers. *Prof. Anim. Scient.* 24:404-410.
- Buckner, C. D., D. R. Mark, V. R. Bremer, and **G. E. Erickson**. 2008. Cattle CODE: Coproduct Optimizer Decision Evaluator. *Journal of Extension.* Vol. 46, No. 4.
- Crawford, G. I., C. D. Keeler, J. J. Wagner, C. R. Krehbiel, **G. E. Erickson**, M. B. Crombie, and G. A. Nunnery. 2008. Effects of calcium magnesium carbonate and roughage level on feedlot performance, ruminal metabolism, and site and extent of digestion in steers fed high-grain diets. *J. Anim. Sci.* 86:2998-3013.
- Folmer, J. D., W. A. Griffin, C. N. Macken, M. P. Blackford, T. J. Klopfenstein, and **G. E. Erickson**. 2008. Effect of intensive winter management, partial season grazing, and sorting on performance and economics of a long yearling steer production system. *Prof. Anim. Scient.* 24:411-419.
- Huls, T. J., **G. E. Erickson**, T. J. Klopfenstein, M. K. Luebbe, K. J. Vander Pol, D. W. Rice, B. Smith, M. Hinds, F. Owens, and M. Liebergesell. 2008. Effect of feeding DAS-59122-7 corn grain and nontransgenic corn grain to individually fed finishing steers. *Prof. Anim. Scient.* 24:572-577.
- Jenschke, B. E., J. R. Benton, C. R. Calkins, T. P. Carr, K. M. Eskridge, T. J. Klopfenstein, and **G. E. Erickson**. 2008. Chemical and sensory properties of beef of known source and finished on wet distillers grains diets containing varying types and levels of roughage. *J. Anim. Sci.* 86: 949-959
- Klopfenstein, T. J., **G. E. Erickson**, and V. R. Bremer. 2008. BOARD-INVITED REVIEW: Use of distillers by-products in the beef cattle feeding industry. *J. Anim. Sci.* 86:1223-1231.
- Liska, A. J., H. S. Yang, V. R. Bremer, T. J. Klopfenstein, D. T. Walters, **G. E. Erickson**, and K. G. Cassman. 2008. Improvements in life cycle energy efficiency and greenhouse gas emissions of corn-ethanol. *J. Industrial Ecology*:1-17.
- Loy, T. W., T. J. Klopfenstein, **G. E. Erickson**, C. N. Macken, and J. C. MacDonald. 2008. Effect of supplemental energy source and frequency on growing calf performance. *J. Anim. Sci.*86:3504-3510.
- Smith, D. R., R. A. Moxley, R. E. Peterson, T. J. Klopfenstein, G. E. Erickson, and S. L. Clowser. 2008. A two-dose regimen of a vaccine against *Escherichia coli* O157:H7 type III secreted proteins reduced environmental transmission of the agent in a large-scale commercial beef feedlot clinical trial. *Foodborne Path. Dis.* 5:589-598.
- Vander Pol, K. J., M. A. Greenquist, **G. E. Erickson**, T. J. Klopfenstein, and T. Robb. 2008. Effect of corn processing in finishing diets containing wet distillers grains on feedlot performance and carcass characteristics of finishing steers. *Prof. Anim. Scient.* 24:439-444.
- Griffin, W. A., T. J. Klopfenstein, **G. E. Erickson**, D. M. Feuz, J. C. MacDonald and D. J. Jordon. 2007. Comparison of performance and economics of a long-yearling and calf-fed system. *Prof. Anim. Scient.* 23:490-499.

- Kissinger, W. F., R. K. Koelsch, **G. E. Erickson**, and T. J. Klopfenstein. 2007. Characteristics of manure harvested from beef cattle feedlots. *Appl. Eng. Agric.* 23:357-365.
- Klopfenstein, T. J., **G. E. Erickson**, and V. R. Bremer. 2007. Feeding corn milling byproducts to beef cattle. *Vet Clin. Food Anim.* 23:223-245.
- Loy, T. W., J. C. MacDonald, T. J. Klopfenstein, and **G. E. Erickson**. 2007. Effect of distillers grains or corn supplementation frequency on forage intake and digestibility. *J. Anim. Sci.* 85:2625-2630.
- MacDonald, J. C., T. J. Klopfenstein, **G. E. Erickson**, and W. A. Griffin. 2007. Effects of dried distillers grains and equivalent undegradable intake protein or ether extract on performance and forage intake of heifers grazing smooth bromegrass pastures. *J. Anim. Sci.* 85:2614-2624.
- Peterson, R. E., T. J. Klopfenstein, R. A. Moxley, **G. E. Erickson**, S. Hinkley, D. Rogan, and D. R. Smith. 2007. Efficacy of dose regimen and observation of herd immunity from a vaccine against *Escherichia coli* O157:H7 for feedlot cattle. *J. Food Prot.* 70:2561-2567.
- Peterson, R. E., T. J. Klopfenstein, R. A. Moxley, **G. E. Erickson**, S. Hinkley, G. Bretschneider, E. M. Berberov, D. Rogan, and D. R. Smith. 2007. Effect of a vaccine product containing type III secreted proteins on the probability of *Escherichia coli* O157:H7 fecal shedding and mucosal colonization in feedlot cattle. *J. Food Prot.* 70:2568-2577.
- Peterson, R. E., T. J. Klopfenstein, **G. E. Erickson**, J. Folmer, S. Hinkley, R. A. Moxley, and D. R. Smith. 2007. Effect of *Lactobacillus acidophilus* strain NP51 on *Escherichia coli* O157:H7 fecal shedding and finishing performance in beef feedlot cattle. *J. Food Prot.* 70:287-291.
- Block, H. C., T. J. Klopfenstein, and **G. E. Erickson**. 2006. Evaluation of ADG prediction by level 1 of the 1996 NRC beef model and development of net energy adjusters. *J. Anim. Sci.* 84:866-876.
- Farran, T. B., **G. E. Erickson**, T. J. Klopfenstein, C. N. Macken, and R. U. Lindquist. 2006. Wet corn gluten feed and alfalfa hay levels in dry-rolled corn finishing diets: Effects on finishing performance and feedlot nitrogen balance. *J. Anim. Sci.* 84:1205-1214.
- Jaeger, S. L., M. K. Luebbe, C. N. Macken, **G. E. Erickson**, T. J. Klopfenstein, W. A. Fithian, and D. S. Jackson. 2006. Influence of corn hybrid traits on digestibility and the relationship to efficiency of feedlot cattle. *J. Anim. Sci.* 84:1790-1800.
- MacDonald, J. C., T. J. Klopfenstein, **G. E. Erickson**, C. N. Macken, J. D. Folmer, and M. P. Blackford. 2006. Sorting strategies for long yearling cattle grown in an extensive forage utilization beef production system. *Prof. Anim. Scient.* 22:225-235.
- Macken, C. N., **G. E. Erickson**, T. J. Klopfenstein and R. A. Stock. 2006. Effects of corn processing method and protein concentration in finishing diets containing wet corn gluten feed on cattle performance. *Prof. Anim. Scient.* 22:14-22.
- Macken, C. N., **G. E. Erickson**, T. J. Klopfenstein. 2006. The cost of corn processing for finishing cattle. *Prof. Anim. Scient.* 22:23-32.
- Block, H. C., C. N. Macken, T. J. Klopfenstein, **G. E. Erickson**, and R. A. Stock. 2005. Optimal wet corn gluten and protein levels in steam-flaked corn-based finishing diets for steer calves. *J. Anim. Sci.* 83:2826-2834.
- Shain, D., T. Klopfenstein, R. Stock, B. Vieselmeier, and **G. Erickson**. 2005. Evaluation of grazing alternate summer and fall forages in extensive beef cattle production systems. *Prof. Anim. Scient.* 21:390-402.
- Smith, D. R., R. A. Moxley, S. L. Clowser, J. D. Folmer, S. Hinkley, **G. E. Erickson**, and T. J. Klopfenstein. 2005. Use of rope devices to describe and explain the feedlot ecology of *Escherichia coli* O157:H7 by time and place. *Foodborne Pathogens and Disease*. Vol 2, Number 1. 50-60.
- Smith, D. R., R. A. Moxley, S. L. Clowser, J. D. Folmer, S. Hinkley, **G. E. Erickson**, and T. J. Klopfenstein. 2005. Use of rope devices to describe and explain the feedlot ecology of *Salmonella* by time and place. *Foodborne Pathogens and Disease*. Vol 2, Number 1. 61-69.
- Vander Pol, K.J., **G.E. Erickson**, N.D. Robbins, L.L. Berger, C.B. Wilson, T.J. Klopfenstein, E.P. Stanisiewski, and G.F. Hartnell. 2005. Effect of grazing residues or feeding corn from a corn rootworm protected hybrid (MON 863) compared with reference hybrids on animal performance and carcass characteristics. *J. Anim. Sci.* 83:2798-2805.
- Adams, J. R., T. B. Farran, **G. E. Erickson**, T. J. Klopfenstein, C. N. Macken, and C. B. Wilson. 2004. Effect of organic matter addition to the pen surface and pen cleaning frequency on nitrogen balance in open feedlots. *J. Anim. Sci.* 82:2153-2163.
- Block, H. C., **G. E. Erickson**, T. J. Klopfenstein. 2004. Review: Re-evaluation of phosphorus requirements and phosphorus retention of feedlot cattle. *Prof. Anim. Scient.* 20:319-329.

- Macken, C.N., **G.E. Erickson**, T.J. Klopfenstein, C.T. Milton, and R.A. Stock. 2004. Effects of dry, wet, and rehydrated corn bran and corn processing method in beef finishing diets. *J. Anim. Sci.* 82:3543-3548.
- Macken, C.N., **G. E. Erickson**, T. J. Klopfenstein, and R. A. Stock. 2004. Effects of concentration and composition of wet corn gluten feed in steam-flaked corn-based finishing diets. *J. Anim. Sci.* 82:2718-2723.
- Potter, A. A., S. Klashinsky, Y. Li, E. Frey, H. Townsend, D. Rogan, **G. Erickson**, S. Hinkley, T. Klopfenstein, R. A. Moxley, D. R. Smith, and B. B. Finlay. 2004. Decreased Shedding of *Escherichia coli* O157:H7 by Cattle Following Vaccination with Type III Secreted Proteins. *Vaccine* 22:362-369.
- Erickson, G. E.**, C. T. Milton, K. C. Fanning, R. J. Cooper, R. S. Swingle, J. C. Parrott, G. Vogel, and T. J. Klopfenstein. 2003. Interaction between bunk management and monensin concentration on finishing performance, feeding behavior, and ruminal metabolism during an acidosis challenge with feedlot cattle. *J. Anim. Sci.* 81:2869-2879.
- Erickson, G. E.**, N. D. Robbins, J. J. Simon, L. L. Berger, T. J. Klopfenstein, E. P. Stanisiewski, and G. F. Hartnell. 2003. Effect of feeding glyphosate-tolerant (Roundup-Ready events GA21 or nk603) corn compared with reference hybrids on feedlot steer performance and carcass characteristics. *J. Anim. Sci.* 81:2600-2608.
- Scott, T. L., C. T. Milton, **G.E. Erickson**, T. J. Klopfenstein, and R. A. Stock. 2003. Corn processing method in finishing diets containing wet corn gluten feed. *J. Anim. Sci.* 81:3182-3190.
- Klopfenstein, T. J., and **G. E. Erickson**. 2002. Effects of manipulating protein and phosphorus nutrition of feedlot cattle on nutrient management and the environment. *J. Anim. Sci.* 80(E. Suppl. 2):E106-E114.
- Satter, L. D., T. J. Klopfenstein, and **G. E. Erickson**. 2002. The role of nutrition in reducing nutrient output from ruminants. *J. Anim. Sci.* 80(E. Suppl. 2):E143-E156.
- Erickson, G. E.**, T. J. Klopfenstein, C. T. Milton, D. Brink, M. W. Orth, and K. M. Whittet. 2002. Phosphorus requirement of finishing feedlot calves. *J. Anim. Sci.* 80:1690-1695.
- Erickson, G. E.**, and T. J. Klopfenstein. 2001. Managing N inputs and the effect on N volatilization following excretion in open-dirt feedlots in Nebraska. *Nitrogen in the Environment, TheScientificWorld*, URL: <http://www.thescientificworld.com> 1(S1): 830-835.
- Erickson, G. E.**, and T. J. Klopfenstein. 2001. Nutritional methods to decrease N volatilization from open-dirt feedlots in Nebraska. *Nitrogen in the Environment, TheScientificWorld*, URL: <http://www.thescientificworld.com> 1(S1): 836-843.
- Erickson, G. E.**, T. J. Klopfenstein, C. T. Milton, D. Hanson, and C. Calkins. 1999. Effect of dietary phosphorus on finishing steer performance, bone status, and carcass maturity. *J. Anim. Sci.* 77:2832-2836.
- Bierman, S., **G. E. Erickson**, T. J. Klopfenstein, R. A. Stock, and D. H. Shain. 1999. Evaluation of nitrogen and organic matter balance in the feedlot as affected by level and source of dietary fiber. *J. Anim. Sci.* 77:1645-1653.

Book chapters and other publications

- Klopfenstein, T. J., G. E. Erickson, and V. R. Bremer. 2008. Use of Distillers Co-products in Diets Fed to Beef Cattle. In: *Using Distillers Grains in the U.S. and International Livestock and Poultry Industries*. Ed: B. A. Babcock, D. J. Hayes, and J. D. Lawrence. <http://www.matric.iastate.edu/DGbook/>
- Satter, L. D., T. J. Klopfenstein, **G. E. Erickson**, and J. M. Powell. 2005. Phosphorus and Dairy/Beef Nutrition. In: *Phosphorus: Agriculture and the Environment*, Agronomy Monograph No. 46, American Society of Agronomy, Crop Science Society of America, Soil Science Society of America, Madison, WI 53711.
- Erickson, G. E.** 2004. Beef Cattle Management: Intensive. In: *Encyclopedia of Animal Science*. Pp. 68-70. Ed: W. G. Pond, and A. W. Bell. Dekker Encyclopedias, Taylor and Francis Group, LLC, New York, NY
- CAST 2002. Animal diet modification to decrease the potential for nitrogen and phosphorus pollution. Issue paper No. 21. Council for Agricultural Science and Technology, Ames, IA.

Experiment Station Reports

2009

- Kovarik, Luke M., Matthew K. Luebbe, Rick J. Rasby, and Galen E. Erickson. 2009. Limit feeding beef cows with bunkered wet distillers grains plus solubles or distillers solubles. *Nebraska Beef Cattle Report*. MP92:11-12.
- Waterbury, Josie A., Darrell R. Mark, Rick J. Rasby, and Galen E. Erickson. 2009. An economic budget for determining co-product storage costs. *Nebraska Beef Cattle Report*. MP92:20-21.
- Greenquist, Matthew A., Terry J. Klopfenstein, Walter H. Schacht, Galen E. Erickson, Kyle J. Vander Pol, Matthew

- K. Luebbe, Kelly R. Brink, Andrea K. Schwarz, and Leonard B. Baleseng. 2009. Replacing fertilizer nitrogen with dried distillers grains supplement to yearling steers grazing bromegrass pastures: Daily gain and nitrogen use efficiency. Nebraska Beef Cattle Report. MP92:22-24.
- Greenquist, Matthew A., Terry J. Klopfenstein, Walter H. Schacht, and Galen E. Erickson. 2009. Replacing fertilizer nitrogen with dried distillers grains supplement to yearling steers grazing bromegrass pastures: Economics and modeling. Nebraska Beef Cattle Report. MP92: 25-27.
- Nuttelman, Brandon L., Matthew K. Luebbe, Josh R. Benton, Terry J. Klopfenstein, L. Aaron Stalker, and Galen E. Erickson. 2009. Energy value of wet distillers grains in high forage diets. Nebraska Beef Cattle Report. MP92:28-29.
- Wilken, Mallorie F., Matthew K. Luebbe, Galen E. Erickson, Terry J. Klopfenstein, and Josh R. Benton. 2009. Feeding corn distillers solubles or wet distillers grains plus solubles and cornstalks to growing calves. Nebraska Beef Cattle Report. MP92:30-32.
- Wilken, Mallorie, Terry L. Mader, Galen E. Erickson, and Leslie J. Johnson. 2009. Comparison of dry distillers or modified wet distillers grains plus solubles in wet or dry forage-based diets. Nebraska Beef Cattle Report. MP92:33-34.
- Peterson, Megan M., Matt K. Luebbe, Rick J. Rasby, Terry J. Klopfenstein, Galen E. Erickson, and Luke M. Kovarik. 2009. Level of wet distillers grains plus solubles and solubles ensiled with wheat straw for growing steers. Nebraska Beef Cattle Report. MP92: 35-36.
- Adams, Daniel R., Matt K. Luebbe, William A. Griffin, Terry J. Klopfenstein, and Galen E. Erickson. 2009. Effects of sorting cattle by weight and time of year on finishing performance, carcass characteristics and economics. Nebraska Beef Cattle Report. MP92:43-46.
- Waterbury, Josie A., Darrell R. Mark, Sarah M. Thoms, Galen E. Erickson, and Terry J. Klopfenstein. 2009. An economic overview of ethanol co-product utilization in Nebraska. Nebraska Beef Cattle Report. MP92:50-52.
- Huls, Taia J., Matt K. Luebbe, William A. Griffin, Galen E. Erickson, Terry J. Klopfenstein, and Rick A. Stock. 2009. Using wet corn gluten feed to adapt cattle to finishing diets. Nebraska Beef Cattle Report. MP92:53-55.
- Huls, Taia J., Nathan F. Meyer, Galen E. Erickson, Terry J. Klopfenstein, and Rick A. Stock. 2009. The effects on ruminal pH, feed intake and digestibility when using wet corn gluten feed to adapt cattle to finishing diets. Nebraska Beef Cattle Report. MP92:56-58.
- Godsey, Corineah M., Matt K. Luebbe, Josh R. Benton, Galen Erickson, and Terry J. Klopfenstein. 2009. Effect of the grains-to-solubles ratio in diets containing wet distillers grains \pm solubles fed to finishing steers. Nebraska Beef Cattle Report. MP92:59-61.
- Nichols, Cody A., Matt K. Luebbe, Galen E. Erickson, Rick A. Stock, and Terry J. Klopfenstein. 2009. Effects of substituting wet distillers grains with solubles in a wet corn gluten feed-based diet on finishing performance. Nebraska Beef Cattle Report. MP92:62-63.
- Bremer, Virgil R., Josh R. Benton, Matthew K. Luebbe, Kathy J. Hanford, Galen E. Erickson, Terry J. Klopfenstein, and Rick A. Stock. 2009. Wet distillers grains plus solubles or solubles in feedlot diets containing wet corn gluten feed. Nebraska Beef Cattle Report. MP92:64-65.
- Godsey, Corineah M., William A. Griffin, Matt K. Luebbe, Josh R. Benton, Galen E. Erickson, and Terry J. Klopfenstein. 2009. Cattle performance and economic analysis of diets containing wet distillers grains and dry-rolled or steam-flaked corn. Nebraska Beef Cattle Report. MP92:66-69.
- Benton, Josh R., Galen E. Erickson, Terry J. Klopfenstein, Matt K. Luebbe, and Ronald U. Lindquist. 2009. Effects of wet corn gluten feed and roughage inclusion levels in finishing diets containing modified distillers grains plus solubles. Nebraska Beef Cattle Report. MP92:70-72.
- Benton, Josh R., Galen E. Erickson, Terry J. Klopfenstein, Nathan F. Meyer, and Crystal D. Buckner. 2009. Effects of roughage source and level with the inclusion of wet distillers grains on ruminal metabolism and nutrient digestibility. Nebraska Beef Cattle Report. MP92:73-75.
- Wilken, Mallorie F., Matthew K. Luebbe, Galen E. Erickson, Terry J. Klopfenstein, and Josh R. Benton. 2009. Effects of feeding high levels of byproducts in different combinations to finishing steers. Nebraska Beef Cattle Report. MP92:76-78.
- Vanness, Sarah J., Terry J. Klopfenstein, Galen E. Erickson, and Kip K. Karges. 2009. Sulfur in distillers grains. Nebraska Beef Cattle Report. MP92:79-80.
- Vanness, Sarah J., Nathan F. Meyer, Terry J. Klopfenstein, and Galen E. Erickson. 2009. Ruminal sulfide levels in corn byproduct diets with varying roughage levels. Nebraska Beef Cattle Report. MP92:81-83.

- Vanness, Sarah J., Nathan F. Meyer, Terry J. Klopfenstein, and Galen E. Erickson. 2009. Hydrogen sulfide gas levels post feeding. Nebraska Beef Cattle Report. MP92:84-85.
- Meyer, Nathan F., Galen E. Erickson, Terry J. Klopfenstein, Josh R. Benton, Matthew K. Luebbe, and Scott B. Laudert. 2009. Effects of Rumensin® and Tylan® in finishing diets with wet distillers grains plus solubles. Nebraska Beef Cattle Report. MP92:86-88.
- Bremer, Virgil R., Terry J. Klopfenstein, Galen E. Erickson, Richard K. Koelsch, Raymond E. Massey, and Judson Vasconcelos. 2009. Effects of feeding wet distillers grains plus solubles on feedlot manure value. Nebraska Beef Cattle Report. MP92:89-90.
- Luebbe, Matthew K. Luebbe, Galen E. Erickson, Terry J. Klopfenstein, Matt A. Greenquist, and Josh R. Benton. 2009. Effect of dietary cation-anion difference on feedlot performance, nitrogen mass balance and manure pH in open feedlot pens. Nebraska Beef Cattle Report. MP92:91-93.
- Luebbe, Matthew K., Galen E. Erickson, Terry J. Klopfenstein, and Nathan F. Meyer. 2009. Effect of dietary cation-anion difference on intake and urinary pH in high concentrate diets. Nebraska Beef Cattle Report. MP92:94-95.
- Luebbe, Matthew K., Galen E. Erickson, Terry J. Klopfenstein, and Josh R. Benton. 2009. Composting or stockpiling feedlot manure: Nutrient concentration and recovery. Nebraska Beef Cattle Report. MP92:96-98.
- Rolfe, Kelsey M., Nathan F. Meyer, Galen E. Erickson, Terry J. Klopfenstein, and Ryan A. Mass. 2009. Impact of a new direct-fed microbial on intake and ruminal pH. Nebraska Beef Cattle Report. MP92:99-101.
- de Mello Jr., Amilton S., Chris R. Calkins, Blaine E. Jenschke, Lasika S. Senaratne, Mike E. R. Dugan, Timothy Carr, and Galen E. Erickson. 2009. Fatty acid profile of three beef muscle from yearlings and calf-fed steers fed wet distillers grains plus solubles. Nebraska Beef Cattle Report. MP92:107-109.
- Senaratne, Lasika S., Chris R. Calkins, Amilton S. de Mello Jr., Timothy P. Carr, and Galen E. Erickson. 2009. Fatty acid composition of beef from cattle fed set distillers grains diets supplemented with vitamin E. Nebraska Beef Cattle Report. MP92:110-112.
- Senaratne, Lasika S., Chris R. Calkins, Amilton S. de Mello Jr., and Galen E. Erickson. 2009. Vitamin E mitigates the boost in lipid oxidation of beef due to wet distillers grains feeding. Nebraska Beef Cattle Report. MP92:113-115.
- Senaratne, Lasika S., Chris R. Calkins, Amilton S. de Mello Jr., Gary A. Sullivan, and Galen E. Erickson. 2009. Effect of set distillers grain feeding supplemented with vitamin E on case life of beef. Nebraska Beef Cattle Report. MP92:116-117.
- de Mello, Jr., Amilton, Chris R. Calkins, Blaine E. Jenschke, Lasika S. Senaratne, Mike E. R. Dugan, Timothy Carr, and Galen E. Erickson. 2009. Modified wet distillers grains finishing diets may increase the levels of polyunsaturated and trans fatty acids of beef. MP92:118-119.

2008

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