

Galen E. Erickson

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EXPERIENCE

Director, Beef Innovation Hub (35% administrative appointment)	January 2022 to present
Professor & Beef Feedlot Extension Specialist UNIVERSITY OF NEBRASKA-LINCOLN 50% RESEARCH, 15% EXTENSION, 35% ADMINISTRATIVE	January 2022 to present
Nebraska Cattle Industry Professor of Animal Science Professor & Beef Feedlot Extension Specialist UNIVERSITY OF NEBRASKA-LINCOLN 50% RESEARCH, 40% EXTENSION, 10% TEACHING	December, 2012 to present July, 2010 to December, 2021
Associate Professor, Beef Feedlot Extension Specialist	July, 2006 to July, 2010
Assistant Professor, Beef Feedlot Extension Specialist	June, 2001 to July, 2006

EDUCATION

UNIVERSITY OF NEBRASKA-LINCOLN
UNIVERSITY OF NEBRASKA-LINCOLN
IOWA STATE UNIVERSITY-AMES

Doctor of Philosophy, August, 2001
Master of Science, December, 1997
Bachelor of Science, May, 1995

Professional Memberships:

American Society of Animal Science, 1993
Professional Animal Scientist, ARPAS, 2002

Awards and Honors:

Nebraska Agricultural Hall of Achievement Inductee, 2017
Nebraska Corn Board Livestock Award, 2017
Darrell W. Nelson Excellence in Graduate Student Advising Award, 2015
American Feed Industry Association Ruminant Animal Nutrition Award, 2015
Gamma Sigma Delta Research Award of Merit, 2013
American Society of Animal Science Early Career Achievement Award, 2009
Midwest American Society of Animal Science Young Outstanding Researcher Award, 2009

Graduate Student Training

Supervised M.S.: 51 completed & 3 MAS (4 current M.S. students)
Supervised Ph.D.: 38 completed (5 current Ph.D. students)
Served committees besides supervisory: 52 completed MS/PhD (3 current MS/PhD) & 9 MAS)

Grant Record

Lifetime total: \$ 19.1 million 2022 active: \$5,841,633 2023 new: \$5,629,611

PUBLICATIONS

Refereed Journal Articles

Burhoop, J. E., J. L. Sperber, C. J. Bittner, F. H. Hilscher, J. C. MacDonald, and **G. E. Erickson**. 2024. Impact of partial oil removal on energy content of distillers grains plus solubles for finishing cattle. *Animals* 14:2329 1-13. <https://doi.org/10.3390/ani14162329>

Colin, R. L., J. L. Sperber, K. K. Buse, P. J. Kononoff, A. K. Watson, and **G. E. Erickson**. 2024. Effect of an algae feed additive on reducing enteric methane emissions from cattle. *Transl. Anim. Sci.* 8:1-7. <https://doi.org/10.1093/tas/txae109>

Dennis, E. J., D. Gertner, and **G. E. Erickson**. 2024. Economic research on ethanol feed-use coproducts: A review,

- synthesis, and path forward. *Animals* 14:1551-1-21. <https://doi.org/10.3390/ani14111551>
- McDermott, R. L., B. C. Troyer, M. E. Youngers, R. A. Stock, **G. E. Erickson**, and J. C. MacDonald. 2024. Interaction of Sweet Bran inclusion and corn processing method in beef finishing diets. *Transl. Anim. Sci.* 8:1-8 <https://doi.org/10.1093/tas/txae023>
- Miller, J. L., N. R. Meier, K. H. Wilke, **G. E. Erickson**, and P. L. Loza. 2024. Effect of corn silage inclusion with different corn processing on finishing steer performance and carcass characteristics. *Transl. Anim. Sci.* 8:1-6 <https://doi.org/10.1093/tas/txae101>
- Mitchell, R. B., D. D. Redfearn, K. P. Vogel, T. J. Klopfenstein, **G. Erickson**, P. S. Baenziger, B. E. Anderson, M. E. Drewnoski, J. Parsons, S. D. Masterson, M. R. Schmer, and V. L. Jin. 2024. Adding value to crop production systems by integrating forage cover crop grazing. *Am. J. Plant Sci.* 15:180-192. <https://doi.org/10.4236/ajps.2024.153013>
- Sperber, J. L., R. G. Bondurant, **G. E. Erickson**, K. Bruns, R. N. Funston, and J. C. MacDonald. 2024. Effect of extended days on feed on carcass gain, efficiency, and quality of individually fed beef steers. *Transl. Anim. Sci.* 8:1-9 <https://doi.org/10.1093/tas/txae081>
- Zhao, B., R. L. McDermott, G. E. Erickson, and Y. Xiong. 2024. Technical Note: Assessing GPS sensor accuracy using real-time kinematic device for livestock tracking. *J. Anim. Sci.* <https://doi.org/10.1093/jas/skac253>
- Burken, A. J., D. B. Burken, R. G. Bondurant, A. K. Watson, K. Brooks, **G. E. Erickson**, K. H. Wilke, and J. C. MacDonald. 2023. Evaluation of performance of beef stocker cattle when fed distillers grains daily in feed bunks or distillers grain in self-feeding tubs. *Appl. Anim. Sci.* 39:363-370 <https://doi.org/10.15232/aas.2023-02389>
- Carlson, Z. E., L. J. McPhillips, R. R. Stowell, **G. E. Erickson**, M. Drewnoski, and J. C. MacDonald. 2023. Evaluation of growth performance, carcass characteristics, and methane and CO₂ emissions of growing and finishing cattle raised in extensive or partial-intensive cow-calf production systems. *J. Anim. Sci.* 101:1-10. <https://doi.org/10.1093/jas/skac368>
- Coulson, C. A., B. M. Boyd, B. C. Troyer, L. J. McPhillips, M. M. Norman, N. M. Woita, H. C. Wilson, K. M. Butterfield, T. J. Spore, and **G. E. Erickson**. 2023. Impact of different corn milling methods for high-moisture and dry corn on finishing cattle performance, carcass characteristics, and nutrient digestion. *J. Anim. Sci.* 101:1-10 <https://doi.org/10.1093/jas/skac385>
- Gibbons, J. C., B. M. Boyd, H. C. Wilson, J. W. Wilson, K. H. Wilke, **G. E. Erickson**, and A. K. Watson. 2023. Evaluation of condensed algal residue solubles as an ingredient in cattle finishing diets and the effects on digestibility and fatty acid flow. *Appl. Anim. Sci.* 39:133-145. <https://doi.org/10.15232/aas.2022-02349>
- Mazis, A., T. Awada, **G. E. Erickson**, B. Wardlow, B. J. Wienhold, V. Jin, M. Schmer, A. Suyker, Y. Zhou, and J. Hiller. 2023. Synergistic use of optical and biophysical traits to assess *Bromus inermis* pasture performance and quality under different management strategies in Eastern Nebraska, U.S. *Agric. Ecosys. Environ.* 348:108400 <https://doi.org/10.1016/j.agee.2023.108400>
- Troyer, B. C., E. J. Dennis, A. DiConstanzo, and **G. E. Erickson**. 2023. Pooled analysis on the effects of inclusion, moisture, and oil removal from distillers grains on cattle performance and economic returns in diets with different corn processing. *J. Anim. Sci.* 101:1-11 <https://doi.org/10.1093/jas/skac358>
- Watson, A. K., T. J. McEvers, L. J. Walter, N. D. May, J. A. Reed, J. C. MacDonald, **G. E. Erickson**, N. A. Cole, J. P. Hutcheson, and T. E. Lawrence. 2023. Mineral composition of serially slaughtered Holstein steers supplemented with zilpaterol hydrochloride. *J. Anim. Sci.* 101:1-11. <https://doi.org/10.1093/jas/skad209>
- Wilson, H. C., L. J. McPhillips, B. M. Boyd, A. K. Watson, J. C. MacDonald, and **G. E. Erickson**. 2023. Effect of increasing corn silage inclusion in finishing diets with or without tylosin on performance and liver abscesses. *J. Anim. Sci.* 101:1-12 <https://doi.org/10.1093/jas/skac380>
- Winders, T. M., B. A. Melton, B. M. Boyd, C. N. Macken, A. K. Watson, J. C. MacDonald, and **G. E. Erickson**. 2023. Impact of shade in beef feedyards on performance, ear temperature, and heat stress measures. *J. Anim. Sci.* 101:1-10 <https://doi.org/10.1093/jas/skad004>
- Carlson, Z. E., L. J. McPhillips, **G. E. Erickson**, M. E. Drewnoski, and J. C. MacDonald. 2022. Production cow-calf responses from perennial forage-based and integrated beef-cropping systems. *Transl. Anim. Sci.* 6:1-14 <https://doi.org/10.1093/tas/txac090>
- Hilscher, F. H., C. J. Bittner, J. L. Gramkow, M. L. Jolly-Breithaupt, M. M. Norman, H. C. Wilson, A. K. Watson, J. C. MacDonald, J. N. Anderson, and **G. E. Erickson**. 2022. The effect of corn silage hybrid and inclusion on performance of finishing steers and silage hybrid effects on digestibility and performance of growing steers. *Transl. Anim. Sci.* 6:1-10 <https://doi.org/10.1093/tas/txac147>
- Li, G., **G. E. Erickson**, and Y. Xiong. 2022. Individual beef cattle identification using muzzle images and deep learning techniques. *Animals* 12:1453 <https://doi.org/10.3390/ani12111453>
- Lima Jr, A. D. S. L., M. A. P. Meschiatti, Gouvea, V. N., J. C. MacDonald, **G. E. Erickson**, V. G. V. Dantas, and F.

- A. P. Santos. 2022. Effects of wet distillers bran plus solubles and corn oil in diets containing flint corn grain and citrus pulp for finishing Nelore bulls. *Livestock Sci.* 255:104774 <https://doi.org/10.1016/j.livsci.2021.104774>
- Sperber, J. L., B. C. Troyer, **G. E. Erickson**, and A. K. Watson. 2022. Evaluation of the effects of pine-sourced biochar on cattle performance and methane and carbon dioxide production from growing and finishing steers. *Transl. Anim. Sci.* 6:1-7 <https://doi.org/10.1093/tas/txac152>
- Sperber, J. L., **G. E. Erickson**, and A. K. Watson. 2022. Evaluation of the effects of wood-sourced biochar as a feedlot pen surface amendment on manure nutrient capture. *Transl. Anim. Sci.* 6:1-10 <https://doi.org/10.1093/tas/txac127>
- Carlson, Z. E., C. A. Coulson, D. J. Jordon, R. J. Cooper, T. L. Scott, S. J. Bundy, B. L. Nuttelman, G. I. Crawford, W. T. Nichols, M. N. Streeter, L. J. Walter, J. P. Hutcheson, and **G. E. Erickson**. 2021. Effects of revalor-XH, revalor-200, and combination revalor-IH/revalor-200 on yearling beef heifer growth performance and carcass characteristics for 138 days on feed. *Appl. Anim. Sci.* 37:470-478. <https://doi.org/10.15232/aas2020-02116>
- Homolka, M. N., **G. E. Erickson**, and R. K. Koelsch. 2021. Predicting nitrogen and phosphorus balance in beef open lots. *Appl. Anim. Sci.* 37:641-653. <https://doi.org/10.15232/aas2020-02126>
- Ohnoutka, C. A., R. G. Bondurant, B. M. Boyd, F. H. Hilscher, B. L. Nuttelman, G. I. Crawford, M. N. Streeter, M. K. Luebbe, J. C. MacDonald, Z. K. Smith, B. J. Johnson, and **G. E. Erickson**. 2021. Evaluation of coated steroidal combination implants on feedlot performance and carcass characteristics of beef heifers fed for constant or varying days on feed. *Appl. Anim. Sci.* 37:41-51 doi.org/10.15232/aas.2020-02013
- Rusche, W. C., E. J. Blom, A. DiCostanzo, **G. E. Erickson**, W. W. Gentry, Z. K. Smith, A. J. VanDerWal, T. M. Winders, and J. P. Cassady. 2021. Heat stress mitigation strategies used by midwestern cattle feeders. *Appl. Anim. Sci.* 37:614-625. <https://doi.org/10.15232/aas2020-02187>
- Volk, S. M., H. C. Wilson, K. J. Hanford, J. C. MacDonald, and **G. E. Erickson**. 2021. Impact of feeding Syngenta Enogen feed corn compared to control corn in different diet scenarios to finishing beef cattle. *Animals* 11:2940 <https://doi.org/10.3390/ani11102940>
- Wilson, H. C., V. R. Bremer, **G. E. Erickson**, T. P. Carr, K. J. Hanford, A. K. Watson, T. J. Klopfenstein, and J. C. MacDonald. 2021. Digestion characteristics and prediction of digestible energy and total digestible nutrients in beef cattle finishing diets containing traditional and by-product lipid sources. *Appl. Anim. Sci.* 37:377-387. <https://doi.org/10.15232/aas2020-02131>
- Abbas, W., J. T. Howard, H. A. Paz, K. E. Hales, J. E. Wells, L. A. Kuehn, **G. E. Erickson**, M. L. Spangler, and S. C. Fernando. 2020. Influence of host genetics in shaping the rumen bacterial community in beef cattle. *Sci. Rep.* 10:15101 doi.org/10.1038/s41598-020-72011-9
- Crawford, G. I., J. C. MacDonald, A. K. Watson, **G. E. Erickson**, and T. J. Klopfenstein. 2020. Diurnal and dietary impacts on estimating microbial protein flow from urinary purine derivative excretion in beef cattle. *Trans. Anim. Sci.* 4:1-13 [txaa140 doi.org/10.1093/tas/txaa140](https://doi.org/10.1093/tas/txaa140)
- Smith, Z. K., D. G. Renter, B. P. Holland, A. B. Word, G. I. Crawford, W. T. Nichols, B. L. Nuttelman, M. N. Streeter, L. J. Walter, J. P. Hutcheson, B. Dicke, R. T. Brandt, Jr., J. I. Szasz, T. C. Bryant, L. F. G. Pringle, Z. E. Carlson, **G. E. Erickson**, and B. J. Johnson. 2020. A pooled analysis of six large-pen feedlot studies: Effects of a non-coated initial and terminal implant compared with a single initial and delayed-release implant on arrival in feedlot heifers. *Transl. Anim. Sci.* 4:1-12 doi.org/10.1093/tas/txaa109
- Wilson, H. C., F. H. Hilscher, L. J. McPhillips, B. M. Boyd, A. K. Watson, **G. E. Erickson**, and J. C. MacDonald. 2020. Impact of fumaric acid and palm oil additive on beef cattle performance and carcass characteristics in diets containing increasing concentrations of corn silage. *Transl. Anim. Sci.* 4(2):910-921 doi.org/10.1093/tas/txaa043
- Winders, T. M., B. M. Boyd, F. H. Hilscher, R. R. Stowell, S. C. Fernando, and **G. E. Erickson**. 2020. Evaluation of methane production manipulated by level of intake in growing cattle and corn oil in finishing cattle. *Transl. Anim. Sci.* 4:1-11 doi.org/10.1093/tas/txaa186
- Gardine, S. E., B. M. Boyd, C. J. Bittner, F. H. Hilscher, **G. E. Erickson**, K. H. Jenkins, T. J. Klopfenstein, and A. K. Watson. 2019. Effects of cow-calf production system and postweaning management on calf performance. *Appl. Anim. Sci.* 35:66-73 [doi: 10.15232/aas.2018-01785](https://doi.org/10.15232/aas.2018-01785)
- Harrelson, F. W., **G. E. Erickson**, T. J. Klopfenstein, D. S. Jackson, P. M. Clark, and W. A. Fithian. 2019. Influence of corn hybrid, kernel traits, location, and dry-rolling or steam-flaking on ruminal digestibility in beef cattle. *Appl. Anim. Sci.* 35:8-19 [doi: 10.15232/aas.2018-01778](https://doi.org/10.15232/aas.2018-01778)
- Hilscher, F. H., D. B. Burken, C. J. Bittner, J. L. Gramkow, R. G. Bondurant, M. L. Jolly-Breithaupt, A. K. Watson, J. C. MacDonald, T. J. Klopfenstein, and **G. E. Erickson**. 2019. Impact of corn silage moisture at harvest on performance of growing steers with supplemental RUP, finishing steer performance, and nutrient digestibility by lambs. *Transl. Anim. Sci.* 3:761-774. [doi:10.1093/tas/txz011](https://doi.org/10.1093/tas/txz011)
- Hilscher, F. H., S. B. Laudert, J. S. Heldt, R. J. Cooper, B. D. Dicke, D. J. Jordon, T. L. Scott, and **G. E. Erickson**.

2019. Effect of copper and zinc source on finishing performance and incidence of foot rot in feedlot steers. *Appl. Anim. Sci.* 35:94-100. doi: 10.15232/aas.2018-01779
- Jolly-Breithaupt, M. L., M. E. Harris, B. L. Nuttelman, D. B. Burken, J. C. MacDonald, M. K. Luebbe, T. K. Iragavarapu, and **G. E. Erickson**. 2019. Effects of Syngenta Enogen Feed corn containing an α -amylase trait on finishing cattle performance and carcass characteristics. *Transl. Anim. Sci.* 3:504-512. doi:10.1093/tas/txy121
- Mekonnen, M. M., C. M. U. Neale, C. Ray, **G. E. Erickson**, and A. Y. Hoekstra. 2019. Water productivity in meat and milk production in the U.S. from 1960 to 2016. *Environ. International* 132:105084. doi:10.1016/j.envint.2019.105084
- Oney, C. R., J. K. Gramkow, F. H. Hilscher, **G. E. Erickson**, J. C. MacDonald, T. J. Klopfenstein, and A. K. Watson. 2019. Corn silage rumen undegradable protein content and response of growing calves to rumen undegradable protein supplement. *Transl. Anim. Sci.* 3:51-59. doi:10.1093/tas/txz014
- Whittet, K. M., A. K. Watson, **G. E. Erickson**, and T. J. Klopfenstein. 2019. Factors affecting urinary creatinine in heifers and cows. *Transl. Anim. Sci.* 3:532-540. doi:10.1093/tas/txz004
- Winders, T. M., C. B. Freeman, B. M. Mark, M. L. Jolly-Breithaupt, H. C. Wilson, J. C. MacDonald, **G. E. Erickson**, and A. K. Watson. 2019. Evaluation of the effects of biochar on diet digestibility and methane production from growing and finishing steers. *Transl. Anim. Sci.* 3:775-783 doi:10.1093/tas/txz027
- de Mello, A. S., B. E. Jenschke, L. S. Senaratne, T. P. Carr, **G. E. Erickson**, and C. R. Calkins. 2018. Effects of finishing diets containing wet distillers grains plus solubles on beef quality attributes and fatty acid profile. *Meat Science*. 136:16-22. doi:10.1016/j.meatsci.2017.10.001
- Jolly-Breithaupt, M. L., B. L. Nuttelman, C. J. Schneider, D. B. Burken, J. L. Gramkow, A. L. Shreck, J. C. MacDonald, T. J. Klopfenstein, and **G. E. Erickson**. 2018. Finishing performance and diet digestibility for feedlot steers fed corn distillers grains plus solubles and distillers solubles with and without oil extraction. *J. Anim. Sci.* 96:1996-2011. doi:10.1093/jas/sky061
- Norman, M. M., Z. E. Carlson, F. H. Hilscher, **G. E. Erickson**, B. W. Brodersen, J. D. Loy, J. W. Wilson, C. Rabe, and A. K. Watson. 2018. Evaluation of the safety of an algal biomass as an ingredient for finishing cattle. *Prof. Anim. Sci.* 34:618-630. doi:10.15232/pas.2018-01774.
- Oney, C. R., M. N. Streeter, W. T. Nichols, B. D. Dicke, R. J. Cooper, D. J. Jordon, T. L. Scott, E. Larson, **G. E. Erickson**, and A. K. Watson. 2018. Impact of utilizing increasingly aggressive implant protocols on feedlot performance and carcass characteristics of calf-fed steers. *Prof. Anim. Sci.* 34:379-389. doi:10.15232/pas.2017-01703.
- Schneider, L. G., T. J. Klopfenstein, Z. R. Stromberg, G. L. Lewis, **G. E. Erickson**, R. A. Moxley, and D. R. Smith. 2018. A randomized controlled trial to evaluate the effects of dietary fiber from distillers grains on enterohemorrhagic *Escherichia coli* detection from the rectoanal mucosa and hides of feedlot steers. *Zoonoses Public Health* 65:124-133. doi:10.1111/zph.12379
- Stromberg, Z. R., G. L. Lewis, L. G. Schneider, **G. E. Erickson**, I. R. Patel, D. R. Smith, and R. A. Moxley. 2018. Culture-based quantification with molecular characterization of non-O157 and O157 enterohemorrhagic *Escherichia coli* isolates from rectoanal mucosal swabs of feedlot cattle. *Foodborne Pathogens Disease*. 15:26-32. doi:10.1089/fpd.2017.2326
- Watson, A. K., K. E. Hales, M. J. Hersom, G. W. Horn, J. J. Wagner, C. R. Krehbiel, M. P. McCurdy, and **G. E. Erickson**. 2018. Mineral retention of growing and finishing beef cattle across different production systems. *Prof. Anim. Sci.* 34:250-260. doi:10.15232/pas.2017-01672.
- Bittner, C. J., M. A. Greenquist, D. B. Burken, A. L. Shreck, J. C. MacDonald, T. J. Klopfenstein, W. J. Platter, M. T. Van Koevering, N. A. Pyatt, and **G. E. Erickson**. 2017. Evaluation of ractopamine hydrochloride (Optaflexx) on growth performance and carcass characteristics of finishing steers across different feeding durations. *J. Anim. Sci.* 95:485-498. doi:10.2527/jas.2016.0806
- Buntyn, J. O., D. Steffen, N. C. Burdick Sanchez, S. E. Sieren, S. J. Jones, **G. E. Erickson**, J. A. Carroll, and T. B. Schmidt. 2017. Serum blood metabolite response and evaluation of select organ weight, histology and cardiac morphology of beef heifers exposed to a dual corticotropin-releasing hormone and vasopressin challenge following supplementation with zilpaterol hydrochloride. *J. Anim. Sci.* 95:5327-5338. doi:10.2527/jas.2017.1913
- Burken, D. B., B. L. Nuttelman, M. J. Jolly-Breithaupt, J. L. Harding, S. E. Gardine, T. J. Klopfenstein, J. C. MacDonald, and **G. E. Erickson**. 2017. Digestibility and performance of steers fed varying inclusions of corn silage and modified distillers grains with solubles to partially replace corn in finishing diets. *Transl. Anim. Sci.* 1:382-396. doi:10.2527/tas2017.0046
- Burken, D. B., B. L. Nuttelman, J. L. Harding, A. L. McGee, K. M. Sudbeck, S. E. Gardine, T. C. Hoegemeyer, T. J. Klopfenstein, and **G. E. Erickson**. 2017. Effects of agronomic factors on yield and quality of whole corn plants

- and the impact of feeding high concentrations of corn silage in diets containing distillers grains to finishing cattle. *Transl. Anim. Sci.* 1:367-381 *doi:10.2527/tas.2017.0045*
- Dierks, N. T., B. D. Cleveland, K. A. Varnold, **G. E. Erickson**, and G. A. Sullivan. 2017. Effects of feeding wet distillers grains to cattle during different phases of production on lipid oxidation of cooked ground beef patties during storage. *Prof. Anim. Scient.* 33:54-62. *doi:10.15232/pas.2016-01533*
- Domenech-Perez, K. I., C. R. Calkins, M. D. Chao, M. E. Semler, K. A. Varnold, and **G. E. Erickson**. 2017. Impact of feeding de-oiled wet distillers grains plus solubles on beef shelf life. *J. Anim. Sci.* 95:709-717. *doi:10.2527/jas.2016.0905*
- Drewnoski, M. E., J. C. MacDonald, **G. E. Erickson**, K. J. Hanford, and T. J. Klopfenstein. 2017. Long-term corn residue grazing improves subsequent soybean yields in a corn-soybean rotation. *Crops Soils* 50:36-41. *doi:10.2134/cs2017.50.0206*
- Schneider, C. J., B. L. Nuttelman, A. L. Shreck, D. B. Burken, W. A. Griffin, J. L. Gramkow, R. A. Stock, T. J. Klopfenstein, and **G. E. Erickson**. 2017. Use of a complete starter feed in grain adaptation programs for feedlot cattle. *J. Anim. Sci.* 95:3639-3653 *doi:10.2527/jas.2016-1115*
- Warner, J. M., A. J. Doerr, **G. E. Erickson**, J. A. Guretsky, R. J. Rasby, A. K. Watson, and T. J. Klopfenstein. 2017. Case study: Supplemental of cow-calf pairs grazing smooth bromegrass pastures with ethanol by-products and low-quality forages. *Prof. Anim. Scient.* 33:764-770 *doi:10.15232/pas.2017-01612*
- Watson, A. K., T. J. Klopfenstein, **G. E. Erickson**, J. C. MacDonald, and V. A. Wilkerson. 2017. Impact of microbial efficiency to predict MP supply when estimating protein requirements of growing beef cattle from performance. *J. Anim. Sci.* 95:3184-3191 *doi:10.2527/jas.2016-1124*
- Ahern, N. A., B. L. Nuttelman, T. J. Klopfenstein, J. C. MacDonald, **G. E. Erickson**, and A. K. Watson. 2016. Comparison of wet and dry distillers grains plus solubles to corn as an energy source in forage-based diets. *Prof. Anim. Scient.* 32:758-767. *doi:10.15232/pas.2016-01528*
- Anderson, C. L., C. J. Schneider, **G. E. Erickson**, J. C. MacDonald, and S. C. Fernando. 2016. Rumen bacterial communities can be acclimated faster to high concentrate diets than currently implemented feedlot programs. *J. Applied Microbiol.* 120:588-599 *doi:10.1111/jam.13039*
- Bittner, C. J., B. L. Nuttelman, C. J. Schneider, D. B. Burken, L. J. Johnson, T. L. Mader, T. J. Klopfenstein, and **G. E. Erickson**. 2016. Effects of increasing soybean hulls in finishing diets with wet or modified distillers grains plus solubles on performance and carcass characteristics of beef steers. *Prof. Anim. Scient.* 32:777-783. *doi:10.15232/pas.2016-01507*
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