

## **CURRICULUM VITAE**

### **NAME**

Wagner, John J

### **ADDRESS**

Animal Sciences  
College of Agricultural Sciences

Animal Sciences

### **PHONE**

(970) 491-2174

### **EDUCATION**

1985 Ph D, Oklahoma State University

1982 MS, Oklahoma State University

1980 BS, Michigan State University

### **ACADEMIC POSITIONS**

August 2012 - Present Professor, Dept. of Animal Sciences, Colorado State University.

June 2005 - August 2012 Professor and General Manager, Dept. Anim. Sciences, Colorado State University, Southeast Colorado Research Center.

February 1985 - January 1996 Extension Ruminant Nutrition Specialist and Associate Professor, South Dakota State University, Brookings, SD.

August 1980 - January 1985 Graduate Research and Teaching Assistant, Animal Sciences Department, Oklahoma State University.

### **OTHER POSITIONS**

February 1996 - May 2005 General Manager, Continental Beef Research, Lamar, CO.

### **PUBLISHED WORKS**

#### **Refereed Journal Articles**

Domby, E. M., Schutz, J. S., Wagner, J. J., Engle, T. E., Neuhold, K. L., Woerner, D. R., Branine, M. E. The effect of medicinal feed additive programs and dietary sulfur concentrations in steam-flaked corn diets containing wet distillers grains on performance and carcass merit in yearling feedlot steers. *Professional Animal scientist*, 29, 566-574.

Wagner, J. J. (2016). Influence of timing of growth implant administration on performance and health of newly weaned beef cattle. *Prof. Anim. Scientist*, 32, 67-73.

Wagner, J. J., Engle, T. E., Belknap, C. R., Dorton, K. L. (in press). Meta-analysis examining the effects of *Saccharomyces cerevisiae* fermentation products on feedlot performance and carcass traits. *Prof. Anim.*

*Scientist.*

- Schwandt, E. F., Wagner, J. J., Engle, T. E., Bartle, S. J., Thomson, D. U., Reinhardt, C. D. (in press). The effects of dry-rolled corn particle size on performance, carcass traits, and starch digestibility in feedlot finishing diets containing wet distiller's grains. *Journal of animal science*.
- Gordon, B., Hahm, S.-w., Wagner, J. J., Jennings, J., Engle, T. E., Han, H. Aspergillus oryzae  $\alpha$ -amylase supplementation on rumen volatile fatty acid profile and relative abundance of mRNA associated with nutrient absorption in ruminal and duodenal tissue from beef steers. *Professional Animal Scientist*.
- Berrett, C. J., Wagner, J. J., Neuhold, K. L., Caldera, E., Sellins, K. S., Engle, T. E. (2015). Comparison of National Research Council standards and industry dietary trace mineral supplementation strategies for yearling feedlot steers. *Prof. Anim. Scientist*, 31, 237-247.
- Reinhardt, C. D., Wagner, J. J. (2014). High-dose anabolic implants are not all the same for growth and carcass traits of feedlot steers: a meta-analysis. *Journal of animal science*, 92(10), 4711-8.
- Wagner, J. J., Archibeque, S. L., Feuz, D. M. (2014). The Modern Feedlot for Finishing Cattle. *Annual review of animal biosciences*, 2, 535-554.
- Bates, K. E., Weaber, R. L., Bormann, J. M., Moser, D. W., Salak-Johnson, J. L., Chase, C. C. L., Peel, R. K., Van Campen, H., Loneragan, G. H., Wagner, J. J., Boddhireddy, P., Payaga, K., Enns, R. M. Relationships among temperament, immune function, and carcass merit in beef cattle. *Western Section American Society of Animal Science*, 64.
- Bates, K. E., Weaber, R. L., Bormann, J. M., Moser, D. W., Salak-Johnson, J. L., Chase, C. C. L., Peel, R. K., Van Campen, H., Loneragan, G. H., Wagner, J. J., Boddhireddy, P., Payaga, K., Enns, R. M. (2013). Relationships among temperament, immune function, and carcass merit in beef cattle. *Western Section American Society of Animal Science*, 64.
- (2012). An evaluation of 10-G brand direct-fed microbial for yearling steers fed finishing diets containing wet distillers grains. *Prof Anim Scientist*, 28, 319-324.
- (2012). Predicting water intake by yearling steers. *J Anim Sci*, 90, 1920-1928.
- (2011). Effect of feed bunk management on feedlot steer intake. *Prof Anim Scientist*, 27, 395-401.
- (2011). Effect of feeding frequency on feedlot performance. *Prof Anim Scientist*, 27, 14-18.
- (2011). Estimation of genetic parameters for bovine respiratory disease and associated carcass traits in feedlot steers. *J Anim Sci*.
- (2011). Influence of reduced nitrogen diets on ammonia emissions from cattle feedlot pens. *Atmosphere*, 2(4), 655-670.
- (2010). Alpharma Beef Cattle Nutrition Symposium. *J Anim Sci*, 88, E121-E122.
- (2010). Effect of dietary supplemental vitamin A concentration on performance, carcass merit, serum metabolites, and lipogenic enzyme activity in yearling beef steers. *J Anim Sci*, 88, 1463-1478.
- (2010). Effects of ractopamine and trenbolone acetate implants with or without estradiol on growth performance, carcass characteristics, adipogenic enzyme activity, and blood metabolites in feedlot steers and heifers. *J Anim Sci*, 88, 4102-4119.
- (2010). Effects of trace mineral source and growth implants on trace mineral status of growing and finishing

feedlot steers. *Asian-Aust J Anim Sci*, 23(7), 907-915.

- (2010). Effects of water quality and dietary potassium on performance and carcass characteristics of yearling steers. *J Anim Sci*, 88, 296-305.
- (2010). Effects of winter growing program on visceral organ mass, composition, and oxygen consumption of beef steers during growing and finishing. *J Anim Sci*, 88, 1554-1563.
- (2010). Effects of winter growing programs on subsequent feedlot performance, carcass characteristics, body composition, and energy requirements of beef steers. *J Anim Sci*, 88, 1564-1576.
- (2010). The effect of rumen degradable and rumen undegradable intake protein on feedlot performance and carcass merit in heavy yearling steers. *J Anim Sci*, 88, 1073-1081.
- (2010). The impact of trace mineral source, water quality, and short-term choline supplementation on performance and carcass characteristics of finishing steers. *Prof Anim Scientist*, 26, 380- 386.
- (2009). Influence of beta-Agonists (Ractopamine HCl and Zilpaterol HCl) on Fecal Shedding of Escherichia coli O157. *J Food Protect*, 72, 2587-2591.
- (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.
- (2006). Effects of ractopamine and implant regimens containing trenbolone acetate and estradiol on growth and carcass characteristics of feedlot steers. *J Anim Sci*, 84, 221-222.
- (2004). Effects of dietary supplemental vitamin A concentration on growth, intake, and marbling in yearling feedlot steers. *J Dairy Sci*, 87, 270-270.
- (2004). Effects of dietary supplemental vitamin A concentration on growth, intake, and marbling in yearling feedlot steers. *Poultry Sci*, 83, 270-270.
- (2004). Effects of dietary supplemental vitamin A concentration on growth, intake, and marbling in yearling feedlot steers. *J Anim Sci*, 82, 270-270.
- (2002). Effects of feeding aspirin and supplemental vitamin E on plasma concentrations of 3-methylindole, 3-methyleneindolenine-adduct concentrations in blood and pulmonary tissues, lung lesions, and growth performance in feedlot cattle. *Am J Vet Res*, 63, 1641-1647.
- (2002). Time-dependent changes in plasma concentrations of 3-methylindole and blood concentrations of 3-methyleneindolenine-adduct in feedlot cattle. *Am J Vet Res*, 63, 591-597.

### **Refereed Proceedings or Transactions**

McAllister, C.M., Brigham, B.W., Speidel, S.E., Peel, R. K., Wagner, J. J., Van Campen, H. (in press). *Genetic Associations Between Bovine Respiratory Disease, Carcass Traits in Feedlot Steers* (vol. 62, pp. 89). Proceedings, WSASAS.

### **Non-Refereed Journal Articles**

Cockrum, R. R., Speidel, S. E., Salak-Johnson, J., Chase, C., Peel, R. K., Weaber, R. L., Loneragan, G. H., Wagner, J. J., Boddhireddy, P., Thomas, M., Prayaga, K., DeNise, S., Enns, R. M. Genetic parameters estimated at receiving for circulating cortisol, immunoglobulin G, interleukin 8, and incidence of bovine respiratory disease in feedlot beef steers. *Journal of Animal Science*.

- Warner, C. M., Hahm, S. W., Archibeque, S. L., Wagner, J. J., Engle, T. E., Roman-Muniz, I. N., Woerner, D. R., Sponsler, M., Han, H. (2015). A comparison of supplemental calcium soap of palm fatty acids versus tallow in a corn-based finishing diet for feedlot steers. *Journal of animal science and technology*, 57, 25.
- Swyers, K. L., Wagner, J. J., Dorton, K. L., Archibeque, S. L. (2014). Evaluation of *Saccharomyces cerevisiae* fermentation product as an alternative to monensin on growth performance, cost of gain, and carcass characteristics of heavy-weight yearling beef steers. *Journal of animal science*, 92(6), 2538-45.
- Sexson, J. L., Wagner, J. J., Engle, T. E., Eickhoff, J. (2012). Predicting water intake by yearling feedlot steers. *Journal of animal science*, 90(6), 1920-8.
- Galles, K., Stratton, J., Westover, E., Levin, E. J. T., Ham, J. M., Borch, T., Wagner, J. J., Kreidenweis, S., Collett, J. L. (2010). Laboratory chamber system for measuring ammonia emissions from intact soil cores: studies of cattle feedlots and forest soils. *29th Conference on Agricultural and Forest Meteorology*.
- Loneragan, G. H., Morley, P. S., Wagner, J. J., Mason, G. L., Yost, G. S., Thoren, M. A., Wittum, T. E., Bray, T. M. (2002). Effects of feeding aspirin and supplemental vitamin E on plasma concentrations of 3-methylindole, 3-methyleneindolenine-adduct concentrations in blood and pulmonary tissues, lung lesions, and growth performance in feedlot cattle. *American journal of veterinary research*, 63(12), 1641-7.
- Loneragan, G. H., Morley, P. S., Wagner, J. J., Mason, G. L., Yost, G. S., Thoren, M. A., Triantis, J. (2002). Time-dependent changes in plasma concentrations of 3-methylindole and blood concentrations of 3-methyleneindolenine-adduct in feedlot cattle. *American journal of veterinary research*, 63(4), 591-7.

### **Non-Refereed Proceedings or Transactions**

- Jennings, J., Wagner, J. J. (2014). "Alternative Feed Additives" - What options are available for feedlot production?. Plains Nutrition Council.
- Neuhold, K.L., Grubb, P.T., Wagner, J. J., Engle, T. E., Peel, R. K., Schroeder, A.L. *Effectiveness of Ractopamine When Fed as a Top Dress in Beef Steers*. Joint Annual Meeting ADSA, PSA, AMPA, CSAS, WSASAS, ASAS, July 11, 2010: Denver, CO.
- Wagner, J. J., Brigham, B., Peel, R. K. (in press). *The effect of morbidity on longissimus muscle area and subcutaneous and intramuscular adipose deposition in feedlot steers* (vol. 15, pp. 116). Plains Nutrition Council Texas Agrilife Research and Extension Pub AREC.
- Gordon, B. N., Hahm, H. A., Wagner, J. J., Jennings, J. S., Han, H., Engle, T. E. (2014). *Supplementation of Aspergillus oryzae  $\alpha$ -amylase on ruminal volatile fatty acid distribution and digestive tract gene expression in beef steers fed a steam-flaked corn based finishing diet*. (E-Suppl 2 ed., vol. 92, pp. 885). J Anim Sci.
- (2012). *Adipose gene expression patterns in finishing steers fed steam-flaked corn diets supplemented with dietary Aspergillus oryzae extract containing  $\alpha$ -amylase activity* (Suppl 3 ed., vol. 90, pp. 589). J Anim Sci.
- (2012). *An in vitro evaluation of rumen fluid type on hydrogen sulfide production of common beef cattle feedstuffs* (Suppl 3 ed., vol. 90, pp. 132). J Anim Sci.
- (2012). *Can DNA marker technology improve feedlot growth promotion management decisions to ultimately improve the consumer's beef eating experience?* (Suppl 2 ed., vol. 90, pp. 98). J Anim Sci.
- (2012). *Comparison of receiving strategies on feedlot performance in beef calves at weaning* (Suppl 3 ed., vol. 90, pp. 430). J Anim Sci.
- (2012). *Effect of zinc concentration on performance and carcass characteristics of feedlot steers* (Suppl 3 ed., vol.

90, pp. 371). J Anim Sci.

- (2012). *Effects of dietary Aspergillus oryzae extract containing  $\alpha$ -amylase activity on feedlot performance and carcass characteristics of finishing beef cattle fed steam-flaked corn-based diets* (Suppl 3 ed., vol. 90, pp. 670). J Anim Sci.
- (2012). *Effects of supplementing Amaize® in finishing beef cattle fed steam-flaked corn based diets*. Poster Presentation Colorado Nutrition Roundtable.
- (2012). *Genetic parameters associated with feedlot bovine respiratory disease complex morbidity and mortality* (Suppl 3 ed., vol. 90, pp. 228). J Anim Sci.
- (2012). *Influence of trace mineral concentration and source on yearling feedlot steer performance, carcass characteristics and trace mineral status*. Poster Presentation Colorado Nutrition Roundtable.
- (2012). *The effect of feed additive and sulfur intake on rumen fluid pH and rumen gas cap hydrogen sulfide concentration in feedlot steers*. Poster Presentation Plains Nutrition Council Texas Agrilife Research and Extension AREC 2012-26.
- (2012). *The effect of morbidity on longissimus muscle area and subcutaneous and intramuscular adipose deposition in feedlot steers* (Suppl 2 ed., vol. 90, pp. 19). J Anim Sci.
- (2011). *Can DNA marker technology improve feedlot growth promotion management decisions to ultimately improve the consumer's beef eating experience?*. Colorado Nutrition Roundtable Poster Presentation.
- (2011). *Can DNA marker technology improve feedlot growth promotion management decisions to ultimately improve the consumer's beef eating experience?*. Final Technical Report, National Cattlemen's Beef Association NCBA1002.
- (2011). *Effects of dietary Aspergillus oryzae extract containing  $\alpha$ -amylase activity on performance, carcass characteristics, and lipogenic gene expression of finishing beef cattle*. Final report to Alltech, Inc 10-E-6274.
- (2011). *Effects of zinc and copper source and concentration on feedlot performance and carcass characteristics in yearling steers*. Colorado Nutrition Roundtable Poster Presentation.
- (2011). *Effects of zinc and copper source and concentration on feedlot performance and carcass characteristics in yearling steers* (E-Suppl 1 ed., vol. 89, pp. 451). J Anim Sci.
- (2011). *Effects of zinc and copper source and concentration on feedlot performance and carcass characteristics in yearling steers*. Plains Nutrition Council Texas Agrilife Research and Extension Pub AREC 11-15:92.
- (2011). *Effects of Zinpro Performance Minerals® zinc on performance and carcass characteristics of steers fed finishing diets with Optaflexx®*. Final report to Zinpro Corporation ZIN1007.
- (2011). *The effect of beta-agonists on feedlot performance and carcass merit in yearling steers* (Suppl 1 ed., vol. 89, pp. 502). J Anim Sci.
- (2011). *The effect of E coli O157 H7 vaccination on feedlot performance, carcass merit, and prevalence of E coli O157 H7 vaccination on feedlot performance, carcass merit, and prevalence of E coli O157 H7 organisms in fecal grab samples from yearling steers*. Final Report to JBS Five Rivers Cattle Feeding SEC1001.
- (2011). *The effect of feed additive and sulfur intake on rumen fluid pH and rumen gas cap hydrogen sulfide concentration in feedlot steers*. Colorado Nutrition Roundtable Poster Presentation.

- (2011). *The effect of feed additive and sulfur intake on rumen fluid pH and rumen gas cap hydrogen sulfide concentration in feedlot steers* (E-Suppl 1 ed., vol. 89, pp. 360). J Anim Sci.
- (2011). *The effect of feed additive program and dietary sulfur concentration in steam-flaked corn diets containing wet distillers grains on feedlot performance and carcass merit in yearling feedlot steers* (E-Suppl 1 ed., vol. 89, pp. 361). J Anim Sci.
- (2011). *The effect of feed additive program and dietary sulfur concentration in steam-flaked corn diets containing wet distiller's grains on feedlot performance and carcass merit in yearling feedlot steers* (vol. 92, pp. 15-Nov). Plains Nutrition Council Texas Agrilife Research and Extension Pub AREC.
- (2011). *The effect of morbidity on longissimus muscle area and subcutaneous and intramuscular adipose deposition in feedlot steers* (vol. 116, pp. 15-Nov). Plains Nutrition Council Texas Agrilife Research and Extension Pub AREC.
- (2011). *The effect of  $\beta$ -agonists on feedlot performance and carcass merit in yearling steers* (vol. 107, pp. 15-Nov). Plains Nutrition Council Texas Agrilife Research and Extension Pub AREC.
- (2011). *The effects of dried distiller's grains on feedlot performance, net energy recovery, and carcass merit in steam-flaked corn based diets for yearling steers*. Final Report to JBS Five Rivers Cattle Feeding SEC0906.
- (2011). *The effects of trace mineral source and concentration on growth performance and carcass characteristics of yearling feedlot steers*. Final report to Micronutrients, Inc MICR1004.
- (2011). *The influence of dietary crude protein regimen on nitrogen and dry matter digestibility* (vol. 116, pp. 15-Nov). Plains Nutrition Council Texas Agrilife Research and Extension Pub AREC.
- (2010). *Effect of crude protein withdrawal and the use of oscillating crude protein concentrations on feedlot performance, carcass merit, and ammonia emissions from the pen surface in yearling feedlot steers*. Final Report to JBS Five Rivers Cattle Feeding SEC0905.
- (2010). *Effect of feeding frequency on feedlot steer performance*. Plains Nutrition Council Texas Agrilife Research and Extension Pub AREC 10-57:119.
- (2010). *Effectiveness of ractopamine when fed as a top dress in beef steers* (E-Suppl 2 ed., vol. 88, pp. 295). J Anim Sci.
- (2010). *Effectiveness of ractopamine when fed as a top dress in beef steers*. Plains Nutrition Council Texas Agrilife Research and Extension Pub AREC 10-57:110.
- (2010). *Evaluation of ractopamine fed in a top dress feed on growth and standard carcass characteristics of crossbred cattle* (E-Suppl 2 ed., vol. 88, pp. 295). J Anim Sci.
- (2010). *Evaluation of the Performance Effects on Feedlot Heifers Fed the Two-way Combination of Melengestrol acetate Plus Cattlyst as compared to Melengestrol acetate alone, and the Three-way Combination of Laidlomycin, Chlortetracycline and Melengestrol acetate*. Final Report to Alpharma Animal Health ALPH0902.
- (2010). *The effect of E coli O157 H7 vaccination on feedlot performance, carcass merit, and prevalence of E coli O157 H7 vaccination on feedlot performance, carcass merit, and prevalence of E coli O157 H7 organisms in fecal grab samples from yearling steers*. Final Report to JBS Five Rivers Cattle Feeding SEC1001.
- (2010). *The effect of feed additive program and dietary sulfur on feedlot performance, carcass merit, rumen fluid pH, and rumen gas cap hydrogen sulfide concentration in yearling feedlot steers*. Final Report to Alpharma

Animal Health ALPH0904.

- (2010). *The effect of including whole-shelled corn in steam- flaked corn based finishing diets on feedlot performance and carcass merit*. Final Report to JBS Five Rivers Cattle Feeding SEC0901.
- (2010). *The effect of pregnancy interventions on feedlot performance and carcass merit in yearling heifers*. Final Report to JBS Five Rivers Cattle Feeding SEC0903.
- (2010). *The effect of supplemental molybdenum and copper on the concentrations of hydrogen sulfide in the rumen gas cap and copper in the liver of yearling steers consuming high sulfate water* (E-Suppl 2 ed., vol. 88, pp. 511). J Anim Sci.
- (2010). *The influence of dietary protein regimens on crude protein and dry matter apparent digestibility in steers fed a steam-flaked corn based diet* (E-Suppl 2 ed., vol. 88, pp. 573). J Anim Sci.

## Abstract

- Warner, C. M., Archibeque, S. L., Engle, T. E., Wagner, J. J., Woerner, D. R., Han, H. (2015). *Supplementation of rumen-protected PUFA in corn-fed beef steers*. (Suppl. 2 ed., vol. 91, pp. 236). Journal of Animal Science.
- Schwandt, E. F., Reinhardt, C. D., Thomson, D. U., Bartle, S. J., Engle, T. E., Wagner, J. J. (2015). *The effect of dry-rolled corn particle size on feed efficiency in feedlot finishing diets containing wet distiller's grains*. Plains Nutrition Council.
- Caldera, E., Wagner, J. J., Sellins, K. S., Engle, T. E., Laudert, S. B., Spears, J. (2014). *Effects of supplemental zinc, copper, and manganese concentration and source on performance and carcass characteristics of feedlot steers*. (E-Supple 2 ed., vol. 92, pp. 342). J. Anim. Sci..
- Caldera, E., Wagner, J. J., Sellins, K. S., Engle, T. E., Laudert, S. B., Spears, J. W. (2014). *Effects of supplemental zinc, copper, and manganese concentration and source on performance and carcass characteristics of feedlot steers*. Plains Nutrition Council.
- Gordon, B. N., Hahm, S. W., Wagner, J. J., Jennings, J. S., Han, H., Engle, T. E. (2014). *Examining the impact of Aspergillus oryzae  $\alpha$ -amylase supplementation on rumen volatile fatty acid profile and relative abundance of mRNA associated with nutrient absorption in ruminal and duodenal tissue from beef steers*. Plains Nutrition Council.

## Manuscript

- Warner, C., Archibeque, S. L., Wagner, J. J., Engle, T. E., Roman-Muniz, I. N., Woerner, D. R., Sponsler, M., Han, H. *Supplementation of Rumen-Protected PUFA in Corn-Fed Beef Steers†*. Journal of Animal Science and Technology.
- Gordon, B., Hahm, S.-W., Wagner, J. J., Jennings, J., Han, H., Engle, T. E. *Supplementation of Aspergillus oryzae  $\alpha$ -amylase on ruminal volatile fatty acid distribution and digestive tract gene expression in beef steers fed a steam-flaked corn based finishing diet*. Canadian Journal of Animal Science.
- Archibeque, S. L., Swyers, K. L., Wagner, J. J., Dorton, K. L. *Evaluation of Saccharomyces cerevisiae fermentation product as a natural alternative to an ionophore on growth performance, cost of gain, and carcass characteristics of heavy-weight yearling beef steers*. Journal of Animal Science.

## Research Report

- Wagner, J. J., Schwandt, E. F., Engle, T. E., Reinhardt, C. D. (2015). *The effect of dry-rolled corn particle size on feed efficiency in feedlot finishing diets containing 20% (DMB) wet distiller's grain*. Private Industry Report.

## **PAPERS PRESENTED/SYMPOSIA/INVITED LECTURES/PROFESSIONAL MEETINGS/WORKSHOPS**

- July 22, 2014, "Supplementation of *Aspergillus oryzae* on ruminal volatile fatty acids composition and digestive tract gene expression in beef steers fed flaked corn based finishing diet", American Society of Animal Sciences Annual Meeting, American Society of Animal Sciences, (Presenter) Hahm, S.-w., Kansas City, KS, peer-reviewed/refereed.
- July 8, 2013, "Supplementation of Rumen Protected PUFA in Corn Fed Beef Steers", American Society of Animal Sciences Joint Annual Meeting, American Society of Animal Science, (Presenter) Warner, C., Indianapolis, peer-reviewed/refereed.
- July 7, 2013, "Comparison of NRC and industry dietary trace mineral standards for yearling feedlot steers.", Joint Annual Meetings, American Society of Animal Science, (Presenter) Berrett, C. J., Indianapolis, IN, peer-reviewed/refereed.
- July 7, 2013, "Cortisol, interleukin 8, and immunoglobulin G ratios predict treatment for bovine respiratory disease in feedlot cattle.", Joint Annual meetings, American Society of Animal Science, (Presenter) Speidel, S. E., Indianapolis, IN, peer-reviewed/refereed.
- July 7, 2013, "Effect of ensiling high moisture corn with aspen wood byproducts on in situ dry matter disappearance of the final ensiled product.", Joint Annual Meetings, American Society of Animal Science, (Presenter) Caldera, E., Indianapolis, IN, peer-reviewed/refereed.
- July 7, 2013, "Heritability and correlations of immune response parameters in cattle treated for bovine respiratory disease.", Joint Annual meetings, American Society of Animal Science, (Presenter) Cockrum, R. R., Indianapolis, IN, peer-reviewed/refereed.
- July 7, 2013, "The effect of *Aspergillus oryzae* extract on feedlot performance and carcass merit in yearling steers fed steam-flaked corn based finishing diets.", Joint Annual Meetings, American Society of Animal Science, (Presenter) White, K. A., Indianapolis, IN, peer-reviewed/refereed.
- March 22, 2013, "Meta-analysis examining the effects of *Saccharomyces cerevisiae* fermentation product on feedlot performance and carcass traits.", MW American Society of Animal Sciences, American Society of Animal Sciences, (Presenter) Wagner, J. J., Des Moines, IA, peer-reviewed/refereed.
- 2012, "Wagner, J. J. 2012. Inclusion of Amaize in steam-flaked corn based finishing diets for yearling steers. Alltech update for Koers/Turgeon Consulting. Nicholasville, KY. February 7, 2012."
- 2012, "Wagner, J. J. 2012. Managing beta-agonists in the feeding program. Great Lakes Professional Cattle Feeders Shortcourse. January 24 - 26. Bowling Green, OH; East Lansing, MI; and Wyoming, ONT."
- 2012, "Wagner, J. J. 2012. Managing high feed costs for beef cattle. 5-State Cattle Conference. Woodward, OK; Coldwater, KS; and Clayton, NM. September 4-6, 2012."

2012, "Wagner, J. J., J. S. Jennings, and K. M. Brennan. 2012. Regulating starch digestion - an 'Amaizing' response. 27th Annual Alltech International Symposium. Lexington, KY. may 20 - 22, 2012."

2011, "December 19 – 20. Attended the University Zilpaterol Update sponsored by Merck Animal Health."

2011, "February 24. Feedlot Consultants Roundtable. Presentation Title: Research Update from CSU Southeast Colorado Research Center. Garden City, KS. Participated in discussions with nutrition consultants providing recommendations to feedyard managers in the high plains."

2011, "July 10 – 14. Attended the American Society of Animal Sciences national meetings in New Orleans, LA. Responsible for organizing and moderating the Meta Analysis Symposium for the American Registry of Professional Animal Scientists."

2011, "May 16. Attend JBS Seminar in Greeley, CO."

2011, "October 26 – 28. Attended the American Registry of Professional Animal Scientists California Chapter's annual meeting. Provided an update on national activities for the American Registry of Professional Animal Scientists."

2011, "September 7 – 8. Present Research Results to Alltech Inc. and JBS Five Rivers Cattle Feeding corporate staff. Lexington, KY. Purpose of this meeting was to help formulate future joint research and industry outreach ventures involving Alltech, JBS, and CSU."

2011, "September 9. Attended the Colorado Nutrition Roundtable in Fort Collins, CO. Provided an update on national activities for the American Registry of Professional Animal Scientists."

## **TEACHING:**

<u>Year</u>	<u>Semester</u>	<u>Course No./Title</u>	<u>Cr. Hrs.</u>	<u>Enrollment</u>
2016	Spring	ANEQ476 - Feedlot Systems	3	40
2016	Spring	ANEQ792E - Seminar-Nutrition	1	10
2016	Spring	ANEQ784 - Supervised College Teaching	18	31
2015	Fall	ANEQ320 - Principles of Animal Nutrition	4	61
2015	Fall	ANEQ320 - Principles of Animal Nutrition - Lab	0	20
2015	Fall	ANEQ320 - Principles of Animal Nutrition - Lab	0	19
2015	Fall	ANEQ320 - Principles of Animal Nutrition - Lab	0	22
2015	Fall	ANEQ792E - Seminar-Nutrition	1	10
2015	Fall	ANEQ384 - Supervised College Teaching	5	27
2015	Summer	ANEQ320 - Principles of Animal Nutrition	4	12
2015	Summer	ANEQ320 - Principles of Animal Nutrition - Lab	0	12
2015	Spring	ANEQ476 - Feedlot Systems	3	45
2015	Spring	ANEQ720 - Nutritional Energetics	3	7
2014	Fall	ANEQ320 - Principles of Animal Nutrition	4	64
2014	Fall	ANEQ320 - Principles of Animal Nutrition - Lab	0	22
2014	Fall	ANEQ320 - Principles of Animal Nutrition - Lab	0	21
2014	Fall	ANEQ320 - Principles of Animal Nutrition - Lab	0	21
2014	Fall	ANEQ384 - Supervised College Teaching	5	26
2014	Summer	ANEQ487A - Internship: Animal	6	36
2014	Spring	ANEQ476 - Feedlot Systems	3	45
2014	Spring	ANEQ784 - Supervised College Teaching	18	23
2013	Fall	ANEQ522 - Animal Metabolism	3	26
2013	Fall	ANEQ320 - Principles of Animal Nutrition	4	63
2013	Fall	ANEQ320 - Principles of Animal Nutrition - Lab	0	21
2013	Fall	ANEQ320 - Principles of Animal Nutrition - Lab	0	20
2013	Fall	ANEQ320 - Principles of Animal Nutrition - Lab	0	22
2013	Fall	ANEQ784 - Supervised College Teaching	18	21
2013	Fall	ANEQ699 - Thesis	18	4
2013	Summer	ANEQ500 - Recent Developments	6	2
2013	Spring	ANEQ476 - Feedlot Systems	3	17
2013	Spring	ANEQ500 - Recent Developments	6	5
2013	Spring	ANEQ699 - Thesis	18	9
2012	Fall	ANEQ320 - Principles of Animal Nutrition	4	46
2012	Fall	ANEQ320 - Principles of Animal Nutrition - Lab	0	14
2012	Fall	ANEQ320 - Principles of Animal Nutrition - Lab	0	17
2012	Fall	ANEQ320 - Principles of Animal Nutrition - Lab	0	15
2012	Fall	ANEQ784 - Supervised College Teaching	18	21
2012	Spring	ANEQ476 - Feedlot Systems	3	36
2012	Spring	ANEQ699 - Thesis	18	10
2011	Spring	ANEQ476 - Feedlot Systems	3	26
2010	Spring	ANEQ476 - Feedlot Systems	3	30
2010	Spring	ANEQ220 - Feeds and Feeding	2	0
2010	Spring	ANEQ496 - Group Study	5	1
2010	Spring	ANEQ495 - Independent Study	18	15
2010	Spring	ANEQ487 - Internship	18	30
2010	Spring	ANEQ784 - Supervised College Teaching	18	23
2010	Spring	ANEQ699 - Thesis	18	15

#### Guest Lectures:

<u>Year</u>	<u>Semester</u>	<u>Course No./Title</u>	<u># of Guest Lectures</u>	<u>Delivery Mode</u>
2015	Spring	AGRI633 - IRM		Face to Face

2014	Fall	ANEQ522 - Metabolism	1	Face to Face
2014	Summer	ANEQ2014 - Animal Nutrition	2	Face to Face
2013	Fall	ANEQ522 - Metabolism	1	Face to Face

### **Evidence of Teaching Effectiveness (Annual Input)**

#### **Other Evidence**

Spring 2015, ANEQ 720–Nutritional Energetics  
 Course has not been taught since Don Johnson taught it more than 10 years ago. I developed the course from scratch.

### **COMMITTEES**

CSU Grievance Committee, (June 2013 - Present).

Colorado Nutrition roundtable.

Spring Branding, (October 2014 - Present).

Instructor and Judging Team Coach Search Committee, (November 1, 2015 - June 1, 2016).

Extension Beef Specialist Search Committee, (June 1, 2015 - December 31, 2015).

Colorado Nutrition Roundtable, (January 1, 2015 - December 31, 2015).

Spring Branding Committee, (January 1, 2015 - May 15, 2015).

### **PROFESSIONAL AFFILIATIONS AND ACTIVITIES**

ARPAS Foundation. (2012 - Present).

American Registry of Professional Animal Scientists. (1984 - Present).

American Society of Animal Sciences. (1980 - Present).

American Society of Animal Science, Phoenix, AZ. (2012 - Present).

Journal of Animal Science. (2012 - Present).

Midwest ASAS, Des Moines, IA. (2012 - Present).

Plains Nutrition Council, San Antonio, TX. (2012 - Present).

Professional Animal Scientist. (2012 - Present).

American Society of Animal Science, New Orleans, LA. (2011 - Present).

Plains Nutrition Council, San Antonio, TX. (2011 - Present).

American Society of Animal Science, Denver, CO. (2010 - Present).

National Cattlemens Beef Association, San Antonio, TX. (2010 - Present).

Plains Nutrition Council, San Antonio, TX. (2010 - Present).

Member, NCCC 208 Regional research and Extension Committee. (2008 - Present).

Member, Beef Program Advisory Committee. (2005 - Present).

Officer, President/Elect/Past, American Registry of professional Animal Scientists. (2012 - 2013).

American Registry of Professional Animal Scientists. (2011 - 2012).

Member, American Registry of Professional Animal Scientists. (1984 - 2012).

Member, American Society of Animal Sciences. (1980 - 2012).

Member, Committee on GxP Regulated Research Activity. (2011).

Member, Professional Animal Scientist. (2009 - 2011).

Southeast Colorado Bull Test - Bulls were fed at SECRC for 2009 - 2010 Test. (2010).

Member, 5 State Beef Cattle Conference Committee. (2009 - 2010).

Member, Beef Program Advisory Committee. (2009 - 2010).

Member, Alpha Beef Symposium - ASAS. (2008 - 2010).

Member, Ruminant Nutrition Program Committee - ASAS. (2008 - 2010).

Member, NCCC 208 Regional Research Committee. (2005 - 2010).

American Registry of Professional Animal Scientists. (2003 - 2005).

**OTHER ACTIVITIES/ACCOMPLISHMENTS – SERVICE/OUTREACH**

Board of Directors of a Company, ARPAS Foundation. (2012 - Present).

Attendee, Meeting, Trinity Lutheran Church. (September 1, 2014 - Present).

Lamar Community College. (2011 - 2012).

Southeast Developmental Services (SDS). (2011 - 2012).

Wiley Consolidated School District. (2011 - 2012).

\*\*\*\*\*