

CURRICULUM VITAE

NAME

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Animal Sciences
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EDUCATION

2004 Ph D, Colorado State University

1997 MS, Colorado State University

1995 BS, Penn State Univ

OTHER POSITIONS

2010 - Present Associate Professor, Beef Production Systems, Colorado State University.

2009 - 2010 Assistant Professor, Beef Production Systems, Colorado State University.

2004 - 2009 Extension Beef Specialist, University of Idaho.

2001 - 2004 Ph.D. Graduate Student, Colorado State University.

2002 - 2003 Interim Extension Beef Specialist, Colorado State University.

1999 - 2000 Director of Sales, Leachman Cattle Company, Billings, MT.

1997 - 1999 Director of Marketing, Red Angus Association of America, Denton, TX.

1995 - 1997 Graduate Student, Beef Industry Leadership Program, Colorado State University.

PUBLISHED WORKS

Refereed Journal Articles

Ahola, J. K., Whittier, J. C., Seidel, G. E., Peel, R. K. (in press). Administration of a GnRH analogue on day 9 of a 14-day controlled internal drug release insert with timed AI in lactating beef cows. *J Anim Sci manuscript E-2012-5497*.

Ahola, J. K. Administration of a GnRH analogue on day 9 of a 14-day controlled internal drug release insert with timed AI in lactating beef cows. *Journal of Animal Science*.

Ahola, J. K. An examination of the association of serum IGF-I concentration, potential candidate genes, and fiber type composition with variation in residual feed intake in progeny of Red Angus sires divergent for

maintenance energy EPD. *Journal of Animal Science*, 91, 5626-5636.

- French, J., Ahola, J. K., Whittier, J. C., Giles, R., Frasier, W. M., Enns, R. M., Peel, R. K. (in press). Differences in lifetime productivity of beef heifers conceiving to artificial insemination (AI) vs natural service (NS) as a yearling and among females that were offspring of an AI or NS mating. *Prof Anim Sci manuscript 12-01155*.
- Ahola, J. K. Differences in lifetime productivity of beef heifers conceiving to artificial insemination (AI) vs. natural service (NS) as a yearling and among females that were offspring of an AI or NS mating. *Professional Animal Scientist*.
- Peel, R. K., Ahola, J. K., Whittier, W.D., Whittier, J. C. Effect of Calf Separation During the 12-Hour Interval Between 2 Prostaglandin F₂± Injections When Using the 5-Day CO-Synch + Controlled Internal Drug-Release Synchronization Protocol on Pregnancy Rate in Beef Cows. *The Professional Animal Scientist*, 26, 534-539.
- Ahola, J. K. Effect of Gonadotropin-Releasing Hormone in Long-Term Controlled Internal Drug-Release Protocols on Pregnancy Rates in Beef Heifers Artificially Inseminated after Observed Estrus or Fixed-Time. *Professional Animal Scientist*.
- Ahola, J. K. Effects of method of castration and pain mitigation on behavior and feedlot performance in cull beef bulls. *Journal of Animal Science*.
- Ahola, J. K., Whittier, J. C., Seidel, G. E., Peel, R. K. (in press). Fixed-time AI in lactating beef cows after GnRH on day 9 of a 14-day controlled internal drug release insert with timed AI in lactating beef cows. *J Anim Sci* 91:1866-1873, 91, 1866-1873.
- Ahola, J. K. Impact of oral meloxicam administration before and after band castration on feedlot performance and behavioral response in weaning beef bulls. *Journal of Animal Science*.
- Ahola, J. K. Ovarian response and timed artificial insemination pregnancy rates in beef heifers after synchronization of follicular waves and ovulation via a 14-day controlled internal drug release insert estrous synchronization protocol. *Professional Animal Scientist*.
- French, J., Ahola, J. K., Whittier, J. C., Giles, R., Repenning, P., Seidel, G. E., Peel, R. K. Ovarian response and timed artificial insemination pregnancy rates in beef heifers after synchronization of follicular waves and ovulation via a 14-day controlled internal drug release insert estrous synchronization protocol. *Prof Anim Sci manuscript 12-01157 Accepted for Publication 10/29/12*.
- Ahola, J. K. (in press). 2.Costa, J.B.G. Jr., J.K. Ahola, Z.D. Weller, R.K. Peel, J.C. Whittier, and J.O.J. Barcellos. 2015. Reticulo-rumen temperature as a predictor of calving time in Holstein heifers and cows. *J. Dairy Sci*. Accepted February 9, 2016. In press. *Journal of Dairy Science*.
- Adams, A. E., Ahola, J. K., Chahine, M., Alexandra, O., Roman-Muniz, I. N. Effect of on-farm dairy beef quality assurance training on selected welfare- and beef quality assurance-related traits in lactating dairy cows. *The Professional Animal Scientist*.
- Ahola, J. K. (2016). 5.Lippolis, K. D., J. K. Ahola, C. E. Mayo, M. C. Fischer and R. J. Callan. 2016. Effects of two-stage weaning with nose flap devices applied to calves on cow body condition, calf performance, and calf humoral immune response. *J. Anim. Sci.* 94: 816-823. *Journal of Animal Science*, 94, 816-823.
- Ahola, J. K. 3.Adams, A.E., J.K. Ahola, M. Chahine, A.L. Ohlheiser, and I.N. Roman-Muniz. 2015. Case Study: Effect of on-farm dairy beef quality assurance training on selected welfare- and beef quality assurance-related traits in lactating dairy cows Effect of on-farm dairy Beef Quality Assurance (BQA) training on welfare-related traits in lactating dairy cows. *J. Prof. Anim. Sci*. Accepted January 18, 2016. In press. *Journal of the Professional Animal Scientist*.

- Ahola, J. K. (in press). 4.Adams, A.E., J.K. Ahola, I.N. Roman-Muniz, and M. Chahine. 2015. Effect of on-farm dairy Beef Quality Assurance training on dairy worker knowledge of BQA and welfare related practices. *J. Extension*. Accepted December 18, 2015. In press. *Journal of Extension*.
- Adams, A., Ahola, J. K., Chahine, M., Roman-Muniz, I. N. Effect of Dairy Quality Assurance (BQA) training on dairy workers knowledge of BQA and welfare related practices. *Journal of Extension*.
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- Ahola, J. K. 1.Lippolis, K. D., J. K. Ahola, K. A. Linton, R. K. Peel, and J. C. Whittier. 2016. Effects of nose flap devices applied to calves on cow and calf performance, carcass traits, and heifer fertility. *J. Prof. Anim. Sci.* Revision submitted January 7, 2016. *Journal of the Professional Animal Scientist*.
- Barcellos, J. O., Costa Jr., J.B. C., Whittier, J. C., Ahola, J. K., Peel, R. K. Post Weaning Beef Heifer Feeding System on Pregarancy rate at 18 months of age. *Springer Journal*.
- Peel, R. K., Seabrook, J.L., Seidel, G. E., Whittier, J. C., Grove, A.V., Ahola, J. K. (2013). Effect of gonadotropin-releasing hormone in long-term controlled internal drug release protocols on pregnancy rates in beef heifers artificially inseminated after observed estrus or fixed time. *Professional Animal Scientist*, 29(3), 228-236.
- Repenning, P.E., Ahola, J. K., Callan, R. J., French, J.T., Giles, R.L., Peel, R. K., Whittier, J. C., Fox, J.T., Engle, T. E. (2013). Effects of method of castration and pain mitigation on behavior and feedlot performance in cull beef bulls. *Journal of Animal Science, Proceedings, Western Section, American Society of Animal Sciences, July 16th, 2012: Phoenix, Arizona, 91, 4975-4983*.
- Giles, R.L., Peel, R. K., French, J.T., Repenning, P.E., Ahola, J. K., Whittier, J. C., Seidel, G. E. (2013). Fixed-time AI in lactating beef cows after GnRH on day 9 of a 14-day CIDR estrus synchronization protocol. *Journal of Animal Science, and Proceedings, Western Section, American Society of Animal Sciences, July 16, 2012: Phoenix, Arizona, 91, 1866-1873*.
- Repenning, P., Ahola, J. K., Callan, R. J., French, J., Giles, R., Bigler, B., Coetzee, J.F., Wulf, L.W., Peel, R. K. (2013). Impact of oral meloxicam administration before and after band castration on feedlot performance and behavioral response in weaning beef bulls. *Journal of Animal Science, 91, 4965-4974*.
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- (2012). Determination of the appropriate delivery of PGF2a in the 5-day CO-Synch + CIDR protocol in suckled beef cows. *J Anim Sci in press Published online 8/7/12 (jas 2011-4880)*.
- (2012). Differences in lifetime productivity of beef heifers conceiving to artificial insemination (AI) vs natural service (NS) as a yearling and among females that were offspring of an AI or NS mating. *Prof Anim Sci, 29, 57-63*.
- (2012). Effect of Two, Four, and Six-Hour Intervals between two Prostaglandin F2a Injections Administered with Five-d CO-Synch + CIDR protocol on Pregnancy Rate in Beef Cows. *Prof Anim Sci, 28, 623-627*.
- (2012). Effects of method of castration and pain mitigation on behavior and feedlot performance in cull beef bulls.

- (2012). Impact of oral meloxicam administration before and after band castration on feedlot performance and behavioral response in weanling beef bulls. *J Anim Sci Manuscript submitted 11/2/12.*
- (2012). Ovarian response and timed artificial insemination pregnancy rates in beef heifers after synchronization of follicular waves and ovulation via a 14-day controlled internal drug release insert estrous synchronization protocol. *Prof Anim Sci*, 29, 64-74.
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- (2011). Variation in nutritive quality and mineral content of grazed and clipped forage from native range in southwest Idaho. *J Prof Anim Sci*, 27, 435-448.
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- (2009). Animal Identification and Beef Quality Assurance Topics Offered in Combined Workshops to Increase Effectiveness and Participation. *J Extension*, 47, 6-Jan.
- (2009). Effect of preslaughter feeding and ractopamine hydrochloride supplementation on growth performance, carcass characteristics, and end product quality in market dairy cows. *J Anim Sci*, 87, 2400-2408.
- (2009). Effect of targeted use of a controlled internal drug releasing device (CIDR) in an estrous synchronization system for postpartum beef cows. *J Anim Sci (Abstr)*, 87(E-Suppl 3), 150.
- (2009). Forage nutrient characterization of SW Idaho Desert Rangeland. *Proc, National Association of County Agricultural Agents, September 20-24*, 195.
- (2009). Use of Gonadotropin-Releasing Hormone at Fixed-Time Artificial Insemination at Eighty or Ninety-Seven Hours Post Prostaglandin F₂± in Beef Cows Administered the Long-Term Melengestrol Acetate Select Synch. *J Prof Anim Sci*, 25, 256-261.
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- (2006). Examination of potential methods to predict pulmonary arterial pressure score in yearling beef cattle. *J Anim Sci*, 84, 1259-1264.
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Refereed Chapters in Books

Ahola, J. K. (2014). *Chapter 229: Quality Management – Farm level: Beef*. The Encyclopedia of Meat Sciences.

Refereed Proceedings or Transactions

- Giles, R., French, J., Repenning, P., Ahola, J. K., Whittier, J. C., Seidel, G. E., Peel, R. K. (in press). *Administration of GNRH on Day 9 of a 14-day CIDR with Co-Synch 72H in Lactating Beef Cows* (vol. 62, pp. 3). Proceedings, WSASAS.
- Costa, J.B.G., Whittier, J. C., Diaz, I.D.P.S., Canellas, L., Peripolli, V., Ahola, J. K., Peel, R. K. *Body Condition score and heart girth change between 7 and 18 months of age to estimate pregnancy probability of Hereford heifers mated at 18 months of age to estimate pregnancy probability of Hereford heifers mated at 18 months of age*. Proceedings, Western Section, American Society of Animal Sciences, July 16: Phoenix, Arizona.
- Bigler, B.J., French, J.T., Ahola, J. K., Whittier, J. C., Frasier, W. M., Seidel, G. E., Enns, R. M., Peel, R. K. *Comparing the lifetime productivity of beef females initially conceiving to, or sired by artificial insemination or natural service*. Proceedings, Western Section, American Society of Animal Sciences, July 16, 2012: Phoenix, Arizona.
- Yager, A.L., Ahola, J. K., Callan, R. J., Whittier, J. C., Peel, R. K., Coetzee, J.F. *Effect of ketamine-stun and meloxicam on behavior and performance associated with band castration in cull beef bulls..* Western Section, American Society of Animal Sciences.
- Berrett, C.J., Seabrook, J.L., Ahola, J. K., Seidel, G. E., Whittier, J. C., Ahola, J. K., Peel, R. K. *Effect of two, four, and six-hour intervals between two prostaglandin F2a injections administered with five-day CO-Synch + CIDR protocol on pregnancy rate in beef cows*. Proceedings, Western Section, American Society of Animal Sciences, July 16, 2012: Phoenix, Arizona.
- Bigler, B., Ahola, J. K., Whittier, J. C., Peel, R. K. *Effects of monensin sodium and plant extracts containing cinnamaldehyde, capsicum, and eugenol on days to puberty, gain, pregnancy rate, and feed efficiency in developing beef heifers receiving a high roughage diet..* Western Section, American Society of Animal Sciences.

- Costa Jr., J.B.G., Barcellos, J.O.J., Whittier, J. C., Diaz, I.D.P.S., Canellas, L., Peripolli, V., Ahola, J. K., Peel, R. K. *Evaluation of weight gain pattern between 7 and 18 months of age of Hereford heifers and reproductive performance when mated at 18 months of age.* Proceedings, Western Section, American Society of Animal Sciences, July 17th, 2012: Phoenix, Arizona.
- French, J.T., Giles, R.L., Repenning, P.E., Ahola, J. K., Whittier, J. C., Seidel, G. E., Peel, R. K. (in press). *Improving Timed AI Pregnancy Rates in Beef Heifers by Synchronizing Follicular Waves with GnRH on D9 of a 14-day CIDR plus Co-Synch Protocol* (vol. 62, pp. 26). Proceedings, WSASAS.
- Repenning, P.E., Ahola, J. K., Peel, R. K., Giles, R.L., French, J.T., Whittier, J. C., Crews, D. (in press). *Relationship Between Behavioral Traits, Feedlot Performance in Finishing Steers* (vol. 62, pp. 23). Proceedings, WSASAS.
- Bigler, B., Ahola, J. K., Whittier, J. C., Sis, M.V., Adams, A.E., Peel, R. K. *The effect of a 7-d CIDR-based pre-synchronization protocol on response to GnRH at the start of 7-d co-synch and pregnancy rate following timed AI in yearling beef heifers.* Western Section, American Society of Animal Sciences.
- Costa Jr., J.B.G., Barcellos, J.O.J., Whittier, J. C., Diaz, D.P.S., Canellas, L., Peripolli, V., Ahola, J. K., Peel, R. K. *Use of body weight gain at different ages to evaluate the pregnancy probability and the change in the pregnancy chance of Hereford heifers mated at 18 months of age.* Proceedings, Western Section, American Society of Animal Sciences, July 16, 2012: Phoenix, Arizona.

Non-Refereed Journal Articles

- Ahola, J. K., Peel, R. K. Determination of the appropriate delivery of PGF2a in the 5-day CO-synch + CIDR protocol in suckled beef cows. *Journal of Animal Science August, 10.2527/jas.2011-4880.*
- Zerby, H. N., Belk, K. E., Ahola, J. K., Sofos, J. N., Schaefer, D. M., Morgan, J., Smith, G. C. (1999). Effects of muscle α -tocopherol level and surface microbiological contamination on retail caselife of fresh beef from the US, Japan and Australia. *Meat science, 52(1), 111-8.*

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- Ahola, J. K. *Effect of ketamine-stun and meloxicam on behavior and performance associated with band castration in cull beef bulls.* Proc., West. Sec. Amer. Soc. Anim. Sci..
- Ahola, J. K. *Effects of monensin sodium and plant extracts containing cinnamaldehyde, capsicum, and eugenol on days to puberty, gain, pregnancy rate, and feed efficiency in developing beef heifers receiving a high roughage die.* Proc., West. Sec. Amer. Soc. Anim. Sci..
- Ahola, J. K. *The effect of a 7-d CIDR-based pre-synchronization protocol on response to GnRH at the start of 7-d CO-Synch and pregnancy rate following timed-AI in yearling beef heifers.* ., West. Sec. Amer. Soc. Anim. Sci..
- Ahola, J. K. (2015). 1.Ahola, J.K. 2015. *Animal Welfare Implications of Beef Industry Practices Including Dehorning, Castration, and Branding.* Proc., Range Beef Cow Symposium, Loveland, CO.. Proceedings, Range Beef Cow Symposium.
- Ahola, J. K. (2015). 2.Ahola, J.K. 2015. *Influence of the 60-day Period Around Weaning on Beef Marbling and Palatability.* Proc., Liquid Feed Symposium, Minneapolis, Minnesota. Proceedings, Liquid Feed Symposium.
- Ahola, J. K. (2015). 3.Lippolis, K. D., R. J. Callan, C. E. Mayo, M. Fischer, and J. K. Ahola. 2015. *Effects of nose flap devices applied to calves on cow body condition, calf performance, and calf humoral immune*

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- Ahola, J. K. (2014). *Beef Quality Assurance (BQA) for the Veterinarian: Certification in the Colorado BQA Program and Opportunities to Add Value to Beef Calves*. CSU Veterinary Conference.
- Ahola, J. K. (2014). *Effect of delaying time AI based on ESTROTECT patch status on pregnancy rates of nursing beef cows*. Western Section, American Society of Animal Science.
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- Ahola, J. K. (2014). *Effects of QuietWean nose flap devices applied to calves on cow and calf performance*. Western Section, American Society of Animal Science.
- Ahola, J. K. (2014). *Engaging Veterinarians with the Beef Quality Assurance Program – Opportunities to Add-value to Beef Calves..* Colorado Veterinary Medical Association.
- Markwood, M., Peel, R. K., Ahola, J. K., Seidel, G. E., Funston, G. E. *Effect of delaying time AI based on ESTROTECT patch status on pregnancy rates of nursing beef cows*. American Society of Animal Science.
- Fischer, M. C., Ahola, J. K., Bigler, B. J., Whittier, J. C., Peel, R. K. *Effects of monensin sodium and plant extracts containing cinnamaldehyde, eugenol and capsicum oleoresin on days to puberty, average daily gain and feed efficiency in developing beef heifers receiving a high roughage diet..* American Society of Animal Science.
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- Ahola, J. K., Aznarez, V.A., Seidel, G. E., Peel, R. K., Whittier, J. C. *Superimposing Melengestrol Acetate Pre-Feeding and/or Controlled Intravaginal Drug Release on the Select Synch Estrous Synchronization Protocol in Beef Cows* (vol. 62, pp. 241). Proceedings, WSASAS.
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- (2012). *Avoiding disabled or non-ambulatory beef cows*. Progressive Cattleman Magazine, June.
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- (2012). *Evaluation of the incidence, causes, and potential solutions for the occurrence of disabled or non-ambulatory cattle within the California beef and dairy industries* (vol. 63, pp. 39-43). Proc, West Sec Amer Soc Anim Sci.
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- (2012). *Evaluation of the incidence, causes, and potential solutions for the occurrence of disabled or non-ambulatory cattle within the California beef and dairy industries (Abstr)* (E-Suppl 2 ed., vol. 90, pp. 150). J Anim Sci.
- (2012). *Evaluation of weight gain pattern between 7 and 18 months of age of Hereford heifers and reproductive performance when mated at 18 months of age (Abstr)* (E-Suppl 2 ed., vol. 90, pp. 431). J Anim Sci.
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- (2012). *Livestock Disease Outbreaks without a Traceability Program In-Place: Recent Events Emphasize a Need*. Trends Analysis, Beef Issues Quarterly, National Cattlemen's Beef Association, Fall.
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- (2012). *Mechanisms underlying variation in beef cattle feed efficiency: the roles of muscle and adipose tissue*. International Symposium on Energy and Protein Metabolism and Nutrition Submitted 10/23/12 (Abstr).
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PAPERS PRESENTED/SYMPOSIA/INVITED LECTURES/PROFESSIONAL MEETINGS/WORKSHOPS

October 10, 2014, "The U.S. Beef Cattle Production Industry – An Overview", (Presenter) Ahola, J. K., Fort Collins.

September 23, 2014, "The U.S. Beef Cattle Production Industry – An Overview", (Presenter) Ahola, J. K., Fort Collins.

September 19, 2014, "Beef Quality Assurance (BQA): Certification in the Colorado BQA Program and Opportunities to Add Value to Beef Cattle.", (Presenter) Ahola, J. K., Loveland.

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April 6, 2014, "Engaging Veterinarians with the Beef Quality Assurance Program – Opportunities to Add-value to Beef Calves", (Presenter) Ahola, J. K., Fort Collins.

April 3, 2014, "Colorado Beef Quality Assurance (BQA) Program Update", (Presenter) Ahola, J. K., Denver.

March 22, 2014, "Profit tips for cow/calf producers", Fort Collins.

February 26, 2014, "Safe handling practices for halter-breaking beef cattle", Fort Collins.

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feed costs. Weld County Stockmen's Association Annual Meeting and Barn Dance, LaSalle, Colorado."

2011, "October 15, 2011. Small Scale Cattle Production. Small Scale Cattle Production Workshop, Longmont, Colorado".

2011, "Superimposing 14 d MGA pre-feeding and (or) 7 d CIDR on the select synch (GnRH-PG) estrous synchronization protocol in beef cows. West. Sec. Amer. Soc. Anim. Sci., USDA-ARS Fort Keogh, Miles City, MT."

2010, "April 27, 2010. Beef, sheep, and swine nutrition youth programs. Kiowa 4-H night. Kiowa, Colorado."

2010, "August 16, 2010. CSU ARDEC Animal Science Facility. University of Nebraska Beef Industry Scholars Program Attendees, Fort Collins, Colorado."

2010, "December 8-11, 2010, CSU-Genex AI School. Reproductive anatomy and AI technique. Genex-CSU Artificial Insemination training course, Fort Collins, Colorado."

2010, "February 10, 2010. Reproductive anatomy and AI technique. Genex-CSU Artificial Insemination training course, Fort Collins, Colorado."

2010, "February 12, 2010. Nutritional management of reproduction in beef cows. Genex-CSU Artificial Insemination training course, Fort Collins, Colorado."

2010, "February 9, 2010. Indications of nutrition on reproduction in beef cattle. Utah Beef Cattle Field Day, Provo, Utah."

2010, "January 21, 2010. Review of CSU Beef Program activities, Larimer County Cattlemen's Association, Annual Meeting, Fort Collins, Colorado."

2010, "January 26, 2010. Premiums and discounts available for market beef cows and bulls at auction. Colorado Farm Show, Greeley, Colorado."

2010, "July 14, 2010. Effects of quality defects in market beef and dairy cows and bulls on selling price at auction in the Western United States. Amer. Soc. Anim. Sci., Denver, Colorado."

2010, "July 14, 2010. Incidence of quality defects in market beef and dairy cows and bulls sold through livestock auction markets in the Western United States. Amer. Soc. Anim. Sci., Denver, Colorado."

2010, "March 26, 2010. One (or Two) Game Changer(s) For 2020. CSU-Leachman Cattle of Colorado Educational Program, Fort Collins, Colorado."

2010, "March 6, 2010. Hands-on beef cattle nutrition workshop. Larimer County 4-H Livestock Field Day, Fort Collins, Colorado."

2010, "November 17, 2010. Heifer Development Strategies Buy vs. Raise. Colorado Cattlemen s Association Mid-Winter Meeting, Colorado Springs, Colorado."

2010, "October 23, 2010. CSU Beef Management Systems. Colorado Red Angus and Simmental Field Day, CSU ARDEC, Fort Collins, Colorado."

TEACHING:

<u>Year</u>	<u>Semester</u>	<u>Course No./Title</u>	<u>Cr. Hrs.</u>	<u>Enrollment</u>
2016	Spring	ANEQ300U - Topics in Animal Sciences-Seedstock Sale Management	2	8
2016	Spring	ANEQ300R - Topics in Animal Sciences: Calving and Calf Care	2	4
2016	Spring	ANEQ300R - Topics in Animal Sciences: Calving and Calf Care - Lab	0	4
2015	Fall	ANEQ478 - Beef Systems	3	20
2015	Fall	ANEQ478 - Beef Systems-Lab	0	20
2015	Fall	AGRI546 - Principles of Cooperative Extension	3	5
2015	Fall	ANEQ300N - Topics in Animal Sciences-Seedstock Merchandising	2	23
2015	Spring	ANEQ699 - Thesis	18	9
2015	Spring	ANEQ300E - Topics in Animal Sciences-Family Ranching	1	20
2015	Spring	ANEQ300U - Topics in Animal Sciences-Seedstock Sale Management	2	8
2015	Spring	ANEQ300R - Topics in Animal Sciences: Calving and Calf Care	2	3
2015	Spring	ANEQ300R - Topics in Animal Sciences: Calving and Calf	0	3

		Care - Lab		
2014	Fall	ANEQ478 - Beef Systems	3	23
2014	Fall	ANEQ478 - Beef Systems-Lab	0	23
2014	Fall	ANEQ510 - Bovine Reproduction Management	4	43
2014	Fall	ANEQ510 - Bovine Reproduction Management-Lab	0	23
2014	Fall	ANEQ510 - Bovine Reproduction Management-Lab	0	20
2014	Fall	AGRI546 - Principles of Cooperative Extension	3	3
2014	Fall	ANEQ784 - Supervised College Teaching	18	27
2014	Fall	ANEQ699 - Thesis	18	9
2014	Fall	ANEQ300N - Topics in Animal Sciences-Seedstock Merchandising	2	19
2014	Spring	ANEQ487A - Internship: Animal	6	35
2014	Spring	ANEQ784 - Supervised College Teaching	18	23
2014	Spring	ANEQ699 - Thesis	18	8
2014	Spring	ANEQ300U - Topics in Animal Sciences-Seedstock Sale Management	2	8
2014	Spring	ANEQ300R - Topics in Animal Sciences: Calving and Calf Care	2	11
2014	Spring	ANEQ300R - Topics in Animal Sciences: Calving and Calf Care - Lab	0	11
2013	Fall	ANEQ478 - Beef Systems	3	21
2013	Fall	ANEQ478 - Beef Systems-Lab	0	21
2013	Fall	ANEQ487A - Internship: Animal	6	14
2013	Fall	AGRI546 - Principles of Cooperative Extension	3	8
2013	Fall	ANEQ792F - Seminar: Livestock Management Systems	1	7
2013	Fall	ANEQ784 - Supervised College Teaching	18	21
2013	Fall	ANEQ300N - Topics in Animal Sciences-Seedstock Merchandising	2	23
2013	Summer	ANEQ487 - Internship	18	22
2013	Spring	ANEQ487 - Internship	18	22
2013	Spring	ANEQ487 - Internship	18	29
2013	Spring	ANEQ300E - Topics in Animal Sciences-Family Ranching	1	16
2013	Spring	ANEQ300U - Topics in Animal Sciences-Seedstock Sale Management	2	7
2013	Spring	ANEQ300R - Topics in Animal Sciences: Calving and Calf Care	2	6
2013	Spring	ANEQ300R - Topics in Animal Sciences: Calving and Calf Care - Lab	0	6
2012	Fall	ANEQ478 - Beef Systems	3	36
2012	Fall	ANEQ478 - Beef Systems-Lab	0	36
2012	Fall	ANEQ487 - Internship	18	6
2012	Fall	ANEQ784 - Supervised College Teaching	18	21
2012	Fall	ANEQ699 - Thesis	18	5
2012	Fall	ANEQ300N - Topics in Animal Sciences-Seedstock Merchandising	2	23
2012	Summer	ANEQ487 - Internship	18	22
2012	Summer	ANEQ699 - Thesis	18	2
2012	Spring	ANEQ792F - Seminar-Management	1	6
2012	Spring	ANEQ784 - Supervised College Teaching	18	18
2012	Spring	ANEQ699 - Thesis	18	10
2012	Spring	ANEQ300E - Topics in Animal Sciences-Family Ranching	1	17
2012	Spring	ANEQ300U - Topics in Animal Sciences-Seedstock Sale Management	2	8
2012	Spring	ANEQ300R - Topics in Animal Sciences: Calving and Calf Care	2	11

2012	Spring	ANEQ300R - Topics in Animal Sciences: Calving and Calf Care - Lab	0	11
2011	Fall	ANEQ478 - Beef Systems	3	42
2011	Fall	ANEQ478 - Beef Systems-Lab	0	42
2011	Fall	ANEQ784 - Supervised College Teaching	18	22
2011	Fall	ANEQ699 - Thesis	18	13
2011	Fall	ANEQ300N - Topics in Animal Sciences-Seedstock Merchandising	2	18
2011	Spring	ANEQ792F - Seminar-Management	1	3
2011	Spring	ANEQ784 - Supervised College Teaching	18	23
2011	Spring	ANEQ699 - Thesis	18	8
2011	Spring	ANEQ300U - Topics in Animal Sciences-Seedstock Sale Management	2	8
2011	Spring	ANEQ300R - Topics in Animal Sciences: Calving and Calf Care	2	9
2011	Spring	ANEQ300R - Topics in Animal Sciences: Calving and Calf Care - Lab	0	9
2010	Fall	ANEQ478 - Beef Systems	3	31
2010	Fall	ANEQ478 - Beef Systems-Lab	0	31
2010	Fall	VS626 - Infertility and Genital Disease	2	36
2010	Fall	ANEQ784 - Supervised College Teaching	18	27
2010	Fall	ANEQ699 - Thesis	18	14
2010	Fall	ANEQ300N - Topics in Animal Sciences-Seedstock Merchandising	2	20
2010	Spring	ANEQ384 - Supervised College Teaching	5	31
2010	Spring	ANEQ300E - Topics in Animal Sciences-Family Ranching	1	29
2010	Spring	ANEQ300U - Topics in Animal Sciences-Seedstock Sale Management	2	7
2009	Fall	ANEQ478 - Beef Systems	3	40
2009	Fall	ANEQ478 - Beef Systems-Lab	0	40
2009	Fall	VS626 - Infertility and Genital Disease	2	49
2009	Fall	ANEQ784 - Supervised College Teaching	18	21
2009	Fall	ANEQ300N - Topics in Animal Sciences-Seedstock Merchandising	2	9

Guest Lectures:

<u>Year</u>	<u>Semester</u>	<u>Course No./Title</u>	<u># of Guest Lectures</u>	<u>Delivery Mode</u>
2015	Fall	SOCR171 - Environmental Issues in Agriculture	1	Face to Face
2014	Fall	ANEQ300A3 - Animal Welfare Judging Team (Chelsea Shivley)	2	Face to Face
2014	Fall	ANEQ101 - Introduction to Food Animal Science (Kraig Peel)	3	Face to Face
2013	Fall	ANEQ - Animal Handling - Experimental course (Ruth Woiwode)	4	Face to Face

Evidence of Teaching Effectiveness (Annual Input)

Student Course Surveys

Fall 2014, ANEQ 510–Bovine Reproduction Management-Lab
 Lab evaluation scores = 4.6/5.0 (“How do you rate this instructor”) and 4.6/5.0 (“How do you rate this course”)

Fall 2014, ANEQ 510–Bovine Reproduction Management-Lab
Lab evaluation scores = 4.6/5.0 (“How do you rate this instructor”) and 4.6/5.0 (“How do you rate this course”)

EXTENSION/ENGAGEMENT ACTIVITIES/ACCOMPLISHMENTS

Presentation

1. January 18, 2016. Update on CSU Beef Management Systems Group research. Colorado Cattlemen’s Association, Ranching Legacy Program, Denver, Colorado. Adult, denver, co. Number of times program was made: 1. Total number of participants: 10. Percent Responsible: 100%. 1st Quarter 2016.

2. January 12, 2016. U.S. Beef Production: Nutrition by Industry Segment. Niman Ranch Corporate Training, Westminster, Colorado. Adult, westminster, co. Number of times program was made: 1. Total number of participants: 80. Percent Responsible: 100%. 1st Quarter 2016.

. Safe handling practices for halter-breaking beef cattle. CSU Block and Bridle Training Program for the Little National Western. Adult, Fort Collins, co. Number of times program was made: 1. Total number of participants: 25. Percent Responsible: 100%. 1st Quarter 2015.

Assuring consumers about animal welfare – the beef industry’s response. Adult, Yuma, CO. Number of times program was made: 1. Total number of participants: 100. Percent Responsible: 100%. 1st Quarter 2015.

Beef Quality Assurance (BQA) Certification Workshop. Youth, Fort Collins, CO. Number of times program was made: 1. Total number of participants: 35. Percent Responsible: 100%. 1st Quarter 2015.

March 14, 2015. Industry Trends That Cow/calf Producers Should Consider. North Park Stockgrower’s Association Annual Meeting, Walden, Colorado. Adult, walden, CO. Number of times program was made: 1. Total number of participants: 40. Percent Responsible: 100%. 1st Quarter 2015.

Producer panel moderator: Business Strategies for Long-term Survival in the Beef Industry. Adult, Fort Collins, CO. Number of times program was made: 1. Total number of participants: 75. Percent Responsible: 100%. 1st Quarter 2015.

The U.S. Beef Production Industry and Challenges it Faces – Animal Welfare, Sustainability, Assuring Beef Quality and Safety, and Production Efficiency. Adult, Denver, CO. Number of times program was made: 1. Total number of participants: 75. Percent Responsible: 100%. 1st Quarter 2015.

13. June 10, 2015. The U.S. Beef Cattle Production Industry - An Overview. Genex Eurasian Producer Tour, CSU ARDEC, Fort Collins, Colorado. Adult, Fort Collins, co. Number of times program was made: 1. Total number of participants: 40. Percent Responsible: 100%. 2nd Quarter 2015.

14. May 14, 2015. Scoring body condition and locomotion in cattle. National Cattle Transportation Symposium, CSU ARDEC, Fort Collins, Colorado. Adult, Fort Collins, co. Number of times program was made: 1. Total number of participants: 100. Percent Responsible: 100%. 2nd Quarter 2015.

16. April 7, 2015. The All Heifer, No Cow (AHNC) Beef Production System. Weld County T-Bone Club, Eaton, Colorado. Adult, eaton, co. Number of times program was made: 1. Total number of participants: 30. Percent Responsible: 100%. 2nd Quarter 2015.

17. April 2, 2015. Colorado Beef Quality Assurance (BQA) Program Update. Colorado Beef Council Board of Directors, Denver, Colorado. Adult, Denver, co. Number of times program was made: 1. Total number of participants: 12. Percent Responsible: 100%. 2nd Quarter 2015.

10. August 22, 2015. Update on CSU Beef Quality Assurance (BQA) Program. Larimer County Stockgrowers Association, Livermore, Colorado. Adult, livermore, co. Number of times program was made: 1. Total number of participants: 100. Percent Responsible: 100%. 3rd Quarter 2015.

11. August 3, 2015. The U.S. Beef Cattle Production Industry - An Overview. ABS South American Producer Tour, CSU ARDEC, Fort Collins, Colorado. Adult, Fort Collins, co. Number of times program was

made: 1. Total number of participants: 40. Percent Responsible: 100%. 3rd Quarter 2015.

12.July 27, 2015. Station Rotation: Applied Selection of Hereford Genetics. American Junior Hereford Association, CSU ARDEC, Fort Collins, Colorado. Youth, Fort Collins, co. Number of times program was made: 1. Total number of participants: 150. Percent Responsible: 100%. 3rd Quarter 2015.

7.September 29, 2015. Mock Beef Taste Panel. Poudre High School Zoology students, CSU ARDEC, Fort Collins, Colorado. Youth, Fort Collins, co. Number of times program was made: 1. Total number of participants: 20. Percent Responsible: 100%. 3rd Quarter 2015.

9.September 16, 2015. Nutrition and Beef Quality: The 60 day “Window” Around Weaning. Liquid Feed Symposium, Minneapolis, Minnesota. Adult, minneapolis, mn. Number of times program was made: 1. Total number of participants: 150. Percent Responsible: 100%. 3rd Quarter 2015.

3.November 18, 2015. Animal Welfare Implications of Beef Industry Practices Including Dehorning, Castration, and Branding. Range Beef Cow Symposium, Loveland, CO. Adult, loveland, co. Number of times program was made: 1. Total number of participants: 500. Percent Responsible: 100%. 4th Quarter 2015.

4.October 6, 2015. Health Management and Beef Quality Assurance. Chinese Cochran Fellowship Workshop, CSU, Fort Collins, Colorado. Adult, Fort Collins, co. Number of times program was made: 1. Total number of participants: 12. Percent Responsible: 100%. 4th Quarter 2015.

5.October 5, 2015. Animal Welfare in Beef Production: Consumer Concerns and Status of the Science Addressing Them. CSU ARBL Seminar Series, Fort Collins, Colorado. Adult, Fort Collins, co. Number of times program was made: 1. Total number of participants: 30. Percent Responsible: 100%. 4th Quarter 2015.

6.October 3, 2015. Heifer Development. Park County Cattlemen’s Association Workshop, Fairplay, Colorado. Adult, fairplay, co. Number of times program was made: 1. Total number of participants: 20. Percent Responsible: 100%. 4th Quarter 2015.

Challenges and Opportunities Facing Cow/calf Producers. Adult. Number of times program was made: 1. Total number of participants: 50. Percent Responsible: 100%. 1st Quarter 2014.

Key Issues and Likely Changes in Beef Production in the U.S. and Around the World. Adult, Fort Collins, CO. Number of times program was made: 1. Total number of participants: 30. Percent Responsible: 100%. 1st Quarter 2014.

Nutritional Management of Beef Cattle. Adult, Fort Collins, CO. Number of times program was made: 1. Total number of participants: 60. Percent Responsible: 100%. 1st Quarter 2014.

Nutritional management of reproduction in beef cows. Adult, Fort Collins, CO. Number of times program was made: 1. Total number of participants: 20. Percent Responsible: 100%. 1st Quarter 2014.

Nutritional management of reproduction in beef cows. Adult, Fort Collins, CO. Number of times program was made: 1. Total number of participants: 20. Percent Responsible: 100%. 1st Quarter 2014.

Profit tips for cow/calf producers. Adult, Fort Collins, CO. Number of times program was made: 1. Total number of participants: 75. Percent Responsible: 100%. 1st Quarter 2014.

Reproductive anatomy and AI technique. Adult, Fort Collins, CO. Number of times program was made: 1. Total number of participants: 20. Percent Responsible: 100%. 1st Quarter 2014.

Reviewing the ARDEC Seedstock Program and Cowherd – An Update for the Animal Sciences Department. Adult, Fort Collins, CO. Number of times program was made: 1. Total number of participants: 40. Percent Responsible: 100%. 1st Quarter 2014.

Safe handling practices for halter-breaking beef cattle. Adult, Fort Collins, CO. Number of times program was made: 1. Total number of participants: 40. Percent Responsible: 100%. 1st Quarter 2014.

Beef Cow Fertility And Its Impact On Profitability. Adult, Fort Collins, CO. Number of times program was made: 1. Total number of participants: 50. Percent Responsible: 100%. 2nd Quarter 2014.

Colorado Beef Quality Assurance (BQA) Program Update. Adult, Denver, CO. Number of times program was made: 1. Total number of participants: 15. Percent Responsible: 100%. 2nd Quarter 2014.

Engaging Veterinarians with the Beef Quality Assurance Program – Opportunities to Add-value to Beef Calves. Adult, Fort Collins, CO. Number of times program was made: 1. Total number of participants: 20. Percent Responsible: 100%. 2nd Quarter 2014.

Beef Quality Assurance (BQA): Certification in the Colorado BQA Program and Opportunities to Add Value to Beef Cattle. Adult, Loveland, CO. Number of times program was made: 1. Total number of participants: 45. Percent Responsible: 100%. 3rd Quarter 2014.

Introduction to the Stockmanship and Stewardship Tour. Adult, Fort Collins, CO. Number of times program was made: 1. Total number of participants: 120. Percent Responsible: 100%. 3rd Quarter 2014.

The U.S. Beef Cattle Production Industry – An Overview. Adult, Fort Collins, CO. Number of times program was made: 1. Total number of participants: 30. Percent Responsible: 100%. 3rd Quarter 2014.

The U.S. Beef Cattle Production Industry – An Overview. Adult, Fort Collins, CO. Number of times program was made: 1. Total number of participants: 40. Percent Responsible: 100%. 3rd Quarter 2014.

Colorado Beef Quality Assurance (BQA) Program Update. Adult, Longmont, CO. Number of times program was made: 1. Total number of participants: 8. Percent Responsible: 100%. 4th Quarter 2014.

The U.S. Beef Cattle Production Industry – An Overview. Adult, Fort Collins, CO. Number of times program was made: 1. Total number of participants: 10. Percent Responsible: 100%. 4th Quarter 2014.

Beef Management Systems research activities at CSU. Fort Collins, CO. Number of times program was made: 1. Total number of participants: 75. Percent Responsible: 100%. 2013.

Bioeconomic management in cow-calf operations. Brazil. Number of times program was made: 1. Total number of participants: 200. Percent Responsible: 100%. 2013.

Insight into a Tenure-Track Faculty Position. Fort Collins, CO. Number of times program was made: 1. Total number of participants: 30. Percent Responsible: 100%. 2013.

Key Issues and Likely Changes in Beef Production in the U.S. and Around the World. Fort Collins, CO. Number of times program was made: 1. Total number of participants: 25. Percent Responsible: 100%. 2013.

Panel moderator – the value of Red Angus feeder cattle. Fort Collins, CO. Number of times program was made: 1. Total number of participants: 100. Percent Responsible: 100%. 2013.

Quality certification in beef cattle. Brazil. Number of times program was made: 1. Total number of participants: 200. Percent Responsible: 100%. 2013.

Reproductive anatomy and AI technique. Fort Collins, CO. Number of times program was made: 1. Total number of participants: 25. Percent Responsible: 100%. 2013.

Reproductive anatomy and AI technique. Fort Collins, CO. Number of times program was made: 1. Total number of participants: 25. Percent Responsible: 100%. 2013.

Reproductive anatomy and AI technique. Fort Collins, CO. Number of times program was made: 1. Total number of participants: 25. Percent Responsible: 100%. 2013.

Reproductive anatomy and AI technique. Fort Collins, CO. Number of times program was made: 1. Total number of participants: 25. Percent Responsible: 100%. 2013.

Reproductive Management During Drought. Fort Collins, CO. Number of times program was made: 1. Total number of participants: 50. Percent Responsible: 100%. 2013.

Strategies for bull buying and calf marketing, based on results of the 2011 National Beef Quality Audit. Fort Collins, CO. Number of times program was made: 1. Total number of participants: 150. Percent Responsible: 100%. 2013.

Supplementing Trace Minerals to Beef Cows – What, When, How, and How Much?, Laramie, WY. Number of times program was made: 1. Total number of participants: 40. Percent Responsible: 100%. 2013.

The U.S. Beef Cattle Production Industry – America’s Story. Uruguay. Number of times program was made: 1. Total number of participants: 1500. Percent Responsible: 100%. 2013.

U.S. Beef Production and the National Beef Quality Audit. Fort Collins, CO. Number of times program was made: 1. Total number of participants: 25. Percent Responsible: 100%. 2013.

Understanding feed efficiency – a difficult to measure, multi-faceted trait and the genetic implications from a terminal and maternal perspective. Fort Collins, CO. Number of times program was made: 1. Total number of participants: 50. Percent Responsible: 100%. 2013.

United States Beef Cattle Production Practices. Brazil. Number of times program was made: 1. Total number of participants: 200. Percent Responsible: 100%. 2013.

Workshop

15. April 15, 2015. Train-the-Trainer for Beef Quality Assurance (BQA) Certification by Colorado Extension Educators. In-service training for CSU Extension, Fort Collins, Colorado. Adult, Fort Collins, co. Number of times program was made: 1. Total number of participants: 15. Percent Responsible: 100%. 2nd Quarter 2015.

8. September 19-20, 2015. Train-the-Trainer for Beef Quality Assurance (BQA) Certification by Colorado Veterinarians (3-hour workshop). Colorado Veterinary Medical Association Annual Meeting, Loveland, Colorado. Adult, Loveland, co. Number of times program was made: 1. Total number of participants: 20. Percent Responsible: 100%. 3rd Quarter 2015.

COMMITTEES

CSU Budget Area Review Committee (BARC) for Advancement, External Relations, Engagement, (November 1, 2015 - Present).

CSU Faculty Council, (September 2014 - Present).

Supervision of ARDEC Seedstock Cowherd, (2009 - Present).

ARDEC Feed Intake Unit Advisory Committee, (2011 - Present).

Supervision of ARDEC Seedstock Cowherd, (August 15, 2009 - Present).

ARDEC Livestock Advisory Committee, (2009 - Present).

Supervision of ARDEC Seedstock Cowherd, (August 15, 2009 - Present).

PROFESSIONAL AFFILIATIONS AND ACTIVITIES

American Society of Animal Science. (2001 - Present).

Greeley, CO. (2012 - Present).

Colorado Cattlemen's Association, Denver, CO. (2012 - Present).

CSU and Genex, Fort Collins, CO. (2012 - Present).

Member, CSU Task Force for development of a Food Systems curriculum. (2012 - Present).

Member, Editorial Board, Journal of Animal Science. (2012 - Present).

National Cattlemen's Beef Association, Nashville, TN. (2012 - Present).

Professional Animal Scientist - ad hoc reviewer. (2012 - Present).

Western Beef Resource Committee - ad hoc reviewer of fact sheets. (2012 - Present).

Greeley, CO. (2011 - Present).

CSU, Fort Collins, CO. (2011 - Present).

CSU and Genex, Fort Collins, CO. (2011 - Present).

Member, Feed Intake Unit Oversight Committee, CSU ARDEC. (2011 - Present).

Member, Graduate Student Paper Competition, Western Sec., American Soc. Animal Science. (2011 - Present).

Member, Journal of Animal Science - ad hoc reviewer. (2011 - Present).

Member, Journal of Animal Science Editorial Board. (2011 - Present).

National Cattlemen's Beef Association, Denver, CO. (2011 - Present).

Range Cow Beef Symposium, Mitchell, NE. (2011 - Present).

Reviewer, Ad Hoc Reviewer, USDA NAHMS - Fact Sheet Reviewer. (2011 - Present).

Western Section, ASAS, Miles City, MT. (2011 - Present).

Reviewer, Ad Hoc Reviewer, Western Section, ASAS, Abstract Reviews. (2011 - Present).

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

Member, Beef Issues Trends Advisory Panel, National Cattlemen s Beef Association. (2010 - Present).

Colorado Angus Association, Fort Collins, CO. (2010 - Present).

Colorado Cattlemen's Association, Colorado Springs, CO. (2010 - Present).

Colorado Simmental Association & Red Angus Association, Fort Collins, CO. (2010 - Present).

National Cattlemen's Beef Association, San Antonio, TX. (2010 - Present).

Reviewer, Ad Hoc Reviewer, Professional Animal Scientist. (2010 - Present).

Member, Program Planning Committee, International Livestock Congress. (2010 - Present).

Member, ARDEC Advisory Committee. (2009 - Present).

Member, Beef Day planning committee, Colorado Farm Show (Greeley). (2009 - Present).

Department of Animal Sciences Beef Program Advisory Committee. (2009 - Present).

Member, Department of Animal Sciences Undergraduate Recruitment Committee. (2009 - Present).

Journal of Animal Sciences. (2009 - Present).

Reviewer, Ad Hoc Reviewer, National Animal Health Monitoring Service. (2009 - Present).

Range Cow Beef Symposium, Casper, WY. (2009 - Present).

Strategic Initiatives Committee. (2009 - Present).

Supervision of ARDEC Seedstock Cowherd. (2009 - Present).

Journal of Animal Sciences. (2008 - Present).

Member, W1010 Integrated Approach to Enhance Efficiency of Feed Utilization in Beef Production Systems, CSRE. (2008 - Present).

Canadian Journal of Animal Science. (2007 - Present).

Journal of Animal Sciences. (2007 - Present).

Member, American Society of Animal Science. (2001 - Present).

Oversee annual bull and heifer sale at ARDEC via the CSU Seedstock Merchandising Team, including exposure of CSU students and cattle to over 550 attendees. (2014).

Represent CSU at Colorado Cattlemen's Association Mid-Winter Meeting with CSU Seedstock Merchandising Team for 2 days in January. (2014).

Represent CSU at Colorado Farm Show. (2014).

Represent CSU at National Cattlemen's Beef Association with Seedstock Team and Collegiate Stockgrowers in February. (2014).

Represent CSU at National Western Stock Show with CSU Seedstock Merchandising Team for 8 days in January. (2014).

Oversee annual bull and heifer sale at ARDEC via the CSU Seedstock Merchandising Team, including exposure of CSU students and cattle to over 550 attendees. (2013).

Represent CSU at Colorado Cattlemen's Association Mid-Winter Meeting with CSU Seedstock Merchandising Team for 2 days in January. (2013).

Represent CSU at Colorado Farm Show with CSU Seedstock Merchandising Team in January. (2013).

Represent CSU at National Western Stock Show with CSU Seedstock Merchandising Team for 8 days in January. (2013).

Oversee annual bull and heifer sale at ARDEC via the CSU Seedstock Merchandising Team, including exposure of CSU students and cattle to over 550 attendees. (2012).

Represent CSU at Colorado Cattlemen's Association Mid-Winter Meeting with CSU Seedstock Merchandising Team for 2 days in January. (2012).

Represent CSU at Colorado Farm Show with CSU Seedstock Merchandising Team in January. (2012).

Represent CSU at National Western Stock Show with CSU Seedstock Merchandising Team for 8 days in January. (2012).

Member, Advising and Coordinating Committee, Western Sec., American Soc. Animal Science. (2009 - 2012).

Oversee annual bull and heifer sale at ARDEC via the CSU Seedstock Merchandising Team, including exposure of CSU students and cattle to over 550 attendees. (2011).

Represent CSU at Colorado Farm Show with CSU Seedstock Merchandising Team in January. (2011).

Represent CSU at National Western Stock Show with CSU Seedstock Merchandising Team for 8 days in January. (2011).

Represent CSU at Range Cow Beef Symposium with CSU Seedstock Merchandising Team in December. (2011).

Member, ARDEC RA I Search Committee (Herdsman). (2010 - 2011).

Member, Department of Animal Sciences Department Head Search Committee. (2010 - 2011).

Member, Department of Animal Sciences John E. Rouse Chair Search Committee. (2009 - 2011).

Member, ARDEC RA I Search Committee (Coordinator). (2010).

Member, Department of Animal Sciences Equine Director Search Committee. (2009 - 2010).

Committee Chair, Western Beef Resource Committee Executive Committee, Marketing Committee. (2005 - 2009).
