

Publications

The University of Florida

Journal Articles

Marquezini, G.H.L., V.R.G. Mercadante, K.M. Bischoff, T.E. Black, N. DiLorenzo, S.L. Bird, B.J. Funnell, S. I. Klein, C.R. Dahlen, J.E. Larson, G.C. Lamb. 2013. Effects of temporary calf removal prior to fixed-time AI (TAI) on pregnancy rates and subsequent calf performance in suckled beef cows. *J. Anim. Sci.* 91:2414-2425.

Marquezini, G. H. L., V. R. G. Mercadante, KC Olson, J. R. Jaeger, G. A. Perry, J. S. Stevenson, and G. C. Lamb. 2013. Effects of equine chorionic gonadotropin on follicle development and pregnancy rates in suckled beef cows with or without calf removal. *J. Anim. Sci.* 91:1216-1224.

Mercadante, P. M., K. M. Bischoff, V. R. G. Mercadante, G. C. Lamb, M. A. Elzo, S. E. Johnson, D. O. Rae, J. V. Yelich, A. D. Ealy. 2013. Subspecies Differences in Early Fetal Development and Plasma Pregnancy Associated Glycoprotein Concentrations in Cattle. *J. Anim. Sci.* (Accepted E-2012-6130.R2).

Presented at Scientific Meetings

Gaievski, F. R., V. R. G. Mercadante, G. C. Lamb, R. R. Weiss, M. A. F. Betiol, and L. E. Kozicki. 2013. Effects of gonadotropin releasing hormone (GnRH) and equine chorionic gonadotropin (eCG) during estrus synchronization and fixed-time artificial insemination of *Bos indicus*-based females on fixed-time artificial insemination and final pregnancy rates. *J. Anim. Sci.* 91(E-Suppl. 2):595 (Abstr.).

Demeterco, D., V. R. G. Mercadante, G. C. Lamb, F. R. Gaievski, B. G. Weiss, G. N. Turbay, M. S. Segui, R. R. Weiss, M. A. F. Betiol, and L. E. Kozicki. 2013. The effects of intramuscular or intravenous injections of gonadotropin releasing hormone at fixed-time artificial insemination (TAI) on pregnancies per TAI of *Bos indicus* beef cows. *J. Anim. Sci.* 91(E-Suppl. 2):596 (Abstr.).

Hill, S. L., S. L. Pulley, KC Olson, J. R. Jaeger, R. M. Breiner, V. R. G. Mercadante, G. C. Lamb, and J. S. Stevenson. 2013. Presynchronizing PGF2 α and GnRH injections before a fixed-time artificial insemination CO-Synch + CIDR program. *J. Anim. Sci.* 91(E-Suppl. 2):204 (Abstr.).

Proceedings

Lamb, G.C. 2012. Control of estrus in cows. In: Proc. 14th Applied Reproductive Strategies in Beef Cattle Sioux Falls, SD pp 85-102.

Lamb, G.C. 2012. Managing embryo transfer to improve success. In: Proc. 14th Applied Reproductive Strategies in Beef Cattle Sioux Falls, SD pp 341-356.

Journal Articles and Abstracts

Stevenson, J. S., S. L. Pulley, and S. L. Hill. 2013. Short communication: Change in dose delivery of prostaglandin $F_{2\alpha}$ in a 5-day timed artificial insemination program in lactating dairy cows. *J. Dairy Sci.* 96:5769-5772.

Marquezini, G.H.L., V.R.G. Mercadante, KC Olson, J. R. Jaeger, G. A. Perry, J. S. Stevenson, and G. C. Lamb. 2013. Effects of equine chorionic gonadotropin on follicle development and pregnancy rates in suckled beef cows with or without calf removal. *J. Anim. Sci.* 91 1216-1224.

Pulley, S. L., L. D. Wallace, H. I. Mellieon, Jr., and J. S. Stevenson. 2013. Ovarian characteristics, serum concentrations, and fertility in lactating dairy cows in response to equine chorionic gonadotropin. *Theriogenology* 79:127-134.

Bridges, G. A., J. K. Ahola, C. Brauner, L. H. Cruppe, J. C. Currin, M. L. Day, P. J. Gunn, J. R. Jaeger, S. L. Lake, G. C. Lamb, G. H. L. Marquezini, R. K. Peel, A. E. Radunz, J. S. Stevenson, and W. D. Whittier. 2012. Determination of the appropriate delivery of $PGF_{2\alpha}$ in the 5-day CO-Synch + CIDR protocol in suckling beef cows. *J. Anim. Sci.* 90:4814-4822.

Stevenson, J. S. and S. L. Pulley. 2012. Pregnancy per artificial insemination after presynchronizing estrous cycles with the Presynch-10 protocol or prostaglandin $F_{2\alpha}$ injection followed by gonadotropin-releasing hormone before Ovsynch-56 in 4 dairy herds of lactating dairy cows. *J. Dairy Sci.* 95:6513-6522.

Mellieon, Jr., H. I., S. L. Pulley, G. C. Lamb, J. E. Larson, and J. S. Stevenson. 2012. Evaluation of the 5- vs. a modified 7-day CIDR program in dairy heifers before artificial insemination. *Theriogenology* 78:1997-2006.

Bello, N. M., J. S. Stevenson, and R. J. Tempelman. 2012. Milk production and reproductive performance: Modern interdisciplinary insights into an enduring axiom. *J. Dairy Sci.* 95:5461-5475.

Stevenson, J. S., and S. L. Pulley. 2012. Characteristics and retention of luteal structures, extended post-insemination cycle, progesterone, and pregnancy-specific protein B in serum after human chorionic gonadotropin treatment of dairy cows. *J. Dairy Sci.* 95:4396-4409.

Stevenson, J. S., S. L. Pulley, and H. I. Mellieon, Jr. 2012. Prostaglandin $F_{2\alpha}$ and gonadotropin-releasing hormone GnRH administration improve progesterone status, luteal number, and proportion of ovular and anovular dairy cows with corpora lutea before a timed AI program. *J. Dairy Sci.* 95:1831-1844.

Stevenson, J. S., S L. Pulley, and S. L. Hill. 2013. Reducing handling in the 5-day timed AI program in dairy cows. *J. Dairy Sci.* 96(E-Suppl. 1):351 (Abstr.).

Hill, S. L., S. L. Pulley, K.C. Olson, J. R. Jaeger, R. M. Breiner, V.R.G. Mercandante, G. C. Lamb and J. S. Stevenson. 2013. Presynchronizing PGF_{2a} and GnRH injections before a fixed-time artificial insemination CO-Synch + CIDR program. *J. Anim. Sci.* 91(E-Suppl. 2):204 (Abstr.).

Pulley, S. L., S. L. Hill, and J. S. Stevenson. 2013. Five-day Resynch programs in dairy cows including the CIDR at two stages post-artificial insemination. *J. Dairy Sci.* 96(E-Suppl. 1):205 (Abstr.).

Pulley, S. L., D. H. Keisler, and J. S. Stevenson. 2013. Concentrations of luteinizing hormone and ovulatory responses in dairy cows before timed AI. *J. Dairy Sci.* 96(E-Suppl. 1):50 (Abstr.).

Thesis

Hill, S. L. 2013. Presynchronizing injections of prostaglandin F_{2α} or prostaglandin F_{2α} + gonadotropin-releasing hormone before a fixed time artificial insemination CO-Synch + CIDR program in suckled beef cows. . M.S. thesis, Kansas State University, 54 p.

The University of Minnesota

Journal Articles

Bridges, G.A., T.W. Geary, M.L. Day, L. Cruppe. 2013. Deficiencies in the uterine environment and failure to support embryo development. 2012. *J. Anim. Sci.* 91:3002-3013.

Geary, T.W., M.F. Smith, M.D. MacNeil, M.L. Day, G.A. Bridges, G.A. Perry, F.M. Abreu, J.A. Atkins, K.G. Pohler, E.M. Jinks, and C.A. Roberts. 2013. Influence of follicle characteristics at ovulation on early embryo survival. *J. Anim. Sci.* 91:3014-3021.

Day, M.L. and G.A. Bridges. 2013. Cattle physiology and the CO-Synch + CIDR synchronization program. *Clinical Theriogenology* 5:237-243.

Bridges, G.A. and M.L. Day. 2013. Application of physiological principles to optimize timed AI pregnancy rates with the 5-d-CO-Synch + CIDR protocol in cattle. *Clinical Theriogenology* 5:244-255.

Bridges, G.A. and M.L. Day. 2013. Management factors that affect the success of AI programs in beef cattle. *Clinical Theriogenology* 5:263-269.

Culp, K.C., M.C. Claeys, R.P. Lemenager, C.P. Rusk, G.A. Bridges, and S.L. Lake. 2013. Effects of continuous and step-up ractopamine hydrochloride supplementation protocols on feeding performance and carcass characteristics of finishing steers. *Professional Anim. Sci.* 29:141-146.

Abstracts

Kruse, S.G., B.J. Funnell, S.L. Bird, H.P. Dias, M.L. Day, and G.A. Bridges. 2013. Effects of progesterone concentrations and FSH administration on follicle number and oocyte competence. *J. Animal Sci.* 91 (E-Suppl. 2):349.

Kruse, S.G., B.J. Funnell, S.L. Bird, H.P. Dias, S.L. Lake, R.P. Arias, G.A. Perry, O.L. Swanson, E.L. Larimore, and G.A. Bridges. 2013. Influence of post-insemination nutrition on embryonic development in beef heifers. *J. Animal Sci.* 91 (E-Suppl. 2):635.

Abreu, F.M., S. G. Kruse, L.H. Cruppe, R.S. Cipriano, M.L. Day, T.W. Geary, M.A. Coutinho da Silva, B.A. Hicks, D.S. Clark, and G.A. Bridges. 2013. Effect of decreased progesterone concentrations during follicular development on oocyte yield and quality. *J. Animal Sci.* 91 (E-Suppl. 2):593.

Cruppe, L.H., G.A. Bridges, S.L. Lake, R.S. Cipriano, F.M. Abreu, S. Kruse, B.R. Harstine, R. Arias, R. Raymond, W. Kayser, M.V. Biehl, and M.L. Day. 2013. The impact of omission of GnRH at the beginning of 5-d CO-Synch + CIDR program on timed AI pregnancy rate in beef heifers. *J. Animal Sci.* 91 (E-Suppl. 2):595.

Larimore, E.L., S.G. Kruse, B.J. Funnell, S.L. Bird, O.L. Swanson, G.A. Bridges, and G.A. Perry. 2013. Influence of estrus at fixed-timed AI on accessory sperm numbers and embryonic development. *J. Animal Sci.* 91 (E-Suppl. 2):204.

P.J. Gunn, R.P. Lemenager, E.G. Taylor, and G.A. Bridges. 2013. Excess dietary protein rich in RUP alters ovulatory ovarian follicle growth and circulating steroid hormone concentrations in nonpregnant, nonlactating beef cows. *J. Animal Sci.* 91 (E-Suppl. 2):348.

Mississippi State University

Journal Articles

Pfeiffer, K. E., L. L. Jury, and J. E. Larson. 2013. Determination of anti-Müllerian hormone at estrus during a synchronized bovine estrous cycle. *Dom. Anim. Endo.* Accepted (DAE-13-3).

Marquezini, G. H. L., V. R. G. Mercadante, K. M. Bischoff, T. E. Black, N. DiLorenzo, S. L. Bird, B. J. Funnell, C. R. Dahlen, J. E. Larson, and G. C. Lamb. 2012. Effects of temporary calf removal prior to fixed-time AI (TAI) on pregnancy rates and subsequent calf performance in suckled beef cows. *J. Anim. Sci.* 91:2414-2425.

Binversie, J. A., K. E. Pfeiffer, and J. E. Larson. 2012. Modifying the Double-Ovsynch protocol to include human chorionic gonadotropin to synchronize ovulation in dairy cattle. *Theriogenology* 78:2095-2104.

Mellieon, Jr. H. I., S. L. Pulley, G. C. Lamb, J. E. Larson, and J. S. Stevenson. 2012. Evaluation of the 5-day versus a modified 7-day CIDR breeding program in dairy heifers. *Theriogenology* 78:1997-2006.

Abstracts Presented at Scientific Meetings:

Voelz, B. E., H. M. Kerr, D. K. Hardin, K. A. Barton, C. O. Lemley, and J. E. Larson. 2013. Growth and cardiovascular characteristics between birth and one month of age in dairy calves. *J. Dairy Sci.* 96 (E-Suppl. 1):592-593.

Hardin, D. K., B. E. Voelz, H. M. Kerr, K. A. Barton, C. O. Lemley, and J. E. Larson. 2013. Correlations among nutritional status of the dairy cow during early gestation and subsequent growth and cardiac measurements of her offspring. *J. Dairy Sci.* 96 (E-Suppl. 1):222.

Copeland, J., J. Batton, E. J. Cuadra, T. H. Elsasser, B. Johnson, J. E. Larson, M. C. Mason, and J. Yoonsung. 2013. Progesterone, TNF- α , IGF-1, and PGF2 α concentrations in blood plasma of beef cows within 14 days after transfer of embryos. *J. Animal Sci.* 91 (E-Suppl. 2):116-117.

Research Reports

Larson, J. E., J. A. Binversie, K. E. Pfeiffer, G. H. L. Marquezini, V. R. G. Mercadante, K. M. Bischoff, T. E. Black, N. DiLorenzo, S. L. Bird, B. J. Funnell, C. R. Dahlen, and G. C. Lamb. 2012. Effects of temporary calf removal prior to a fixed-time AI (TAI) on pregnancy rates and subsequent calf performance in suckled beef cows. Dept. of Animal and Dairy Science Annual Report pp. 34-40.

Pfeiffer, K. E., L. E. Jury, and J. E. Larson. 2012. Determination of anti-Müllerian hormone during a synchronized and a natural bovine estrous cycle. Dept. of Animal and Dairy Science Annual Report pp. 27-33.

The University of Nebraska

Endecott, R.L., R.N. Funston, J.T. Mulliniks and A.J. Roberts. 2013. Implications of beef heifer development systems and lifetime productivity. *J. Anim. Sci.* 91:1329-1335.

Harms, J.D., R. N. Funston, L. A. Stalker, and A. F. Summers. 2013. Impact of maternal nutrition and post-weaning management on steer and heifer progeny in a late spring calving system. *Proc. West. Sec. Am. Soc. Anim. Sci.* 64:93-96.

Marshall, C.L., S. R. Fensterseifer, R. P. Arias, R. N. Funston, and S. L. Lake. 2013. The effects of winter protein supplementation during the third trimester on cow and subsequent calf performance. *Proc. West. Sec. Am. Soc. Anim. Sci.* 64:103-106.

Vraspir, R.A., A. F. Summers, A. J. Roberts, and R. N. Funston. 2013. Effect of pubertal status and number of estrous cycles prior to the breeding season on pregnancy rate in beef Heifers. *Proc. West. Sec. Am. Soc. Anim. Sci.* 64:116-120.

Summers, A.F., T. L. Meyer, and R. N. Funston. 2013. Impact of supplemental protein source on ADG, feed intake, calf birth BW, and rebreeding in pregnant beef heifers. *Proc. West. Sec. Am. Soc. Anim. Sci.* 64:234-238.

Roberts, A.J., J. Ketchum, R. N. Funston, and T. W. Geary. 2013. Impact of number of estrous cycles exhibited prior to start of breeding on reproductive performance in beef heifers. *Proc. West. Sec. Am. Soc. Anim. Sci.* 64:254-257.

Summers, A.F., and R.N. Funston. 2012. Fetal Programming: Implications for beef cattle production. *Proc. Appl. Reprod. Strategies in Beef Cattle.* Sioux Falls, SD. Pp. 223-234.

North Dakota State University

Journal Articles

Marquezini, G.H.L., V.R.G. Mercadante, K.M. Bischoff, T.E. Black, N. DiLorenzo, S.L. Bird, B.J. Funnell, S. I. Klein, C.R. Dahlen, J.E. Larson, G.C. Lamb. 2013. Effects of temporary calf removal prior to fixed-time AI (TAI) on pregnancy rates and subsequent calf performance in suckled beef cows. *J. Anim. Sci.* 91:2414-2425.

Dahlen, C.R., A. DiCostanzo, A. R. Spell, and G. C. Lamb. 2012. Use of embryo transfer 7 d after artificial insemination or transferring identical demi-embryos to increase twinning in beef cattle. *J. Anim. Sci.* 90:4823-4832.

Proceedings Papers

Dahlen, C.R. 2012. Control of Estrus with Natural Service. In: *Applied Reproductive Strategies in Beef Cattle.* Sioux Falls, SD. pp 129-137.

Research Reports

Steichen, P.L., S.I. Klein, Q.P. Larson, K.M. Bischoff, V.G.R. Mercadante, G.C. Lamb, C.S. Schauer, B.W. Neville, and C.R. Dahlen. 2012. Effects of natural service and artificial insemination breeding systems on pregnancy rates and days to conception. *North Dakota Beef Report:* 12-15.

South Dakota State University

Journal Articles

Perry, G. A., B. L. Perry, J. A. Walker, C. L. Wright, R. R. Salverson, and H. H. Patterson. 2014. Evaluation of prior grazing experience on reproductive performance in beef heifers. *Prof. Anim. Sci.* Accepted

C. O. Lemley, A. M. Meyer, T. L. Neville, D. M. Hallford, K. R. Maddock-Carlin, T. A. Wilmoth, M. E. Wilson, G. A. Perry, D. A. Redmer, L. P. Reynolds, J. S. Caton, and K. A. Vonnahme. 2014. Dietary selenium and nutritional plane alters maternal endocrine profiles during pregnancy and lactation. *Dom. Anim. Endo.* Accepted.

K. A. Vonnahme, T.L. Neville, G. A. Perry, D. A. Redmer, L. P. Reynolds, and J. S. Caton. 2014. Maternal dietary intake alters organ mass and endocrine and metabolic profiles in pregnant ewe lambs. *Animal Reprod. Sci.* Accepted.

Cushman R. A., L. K. Kill, R. N. Funston, E. M. Mousel, and G. A. Perry. 2013. Heifer calving date positively influences calf weaning weights through six parturitions. *J. Anim. Sci.* (9):4486-91.

Marquezini, G. H. L., V.R.G. Mercadante, KC Olson, J. R. Jaeger, G. A. Perry, J. S. Stevenson, and G. C. Lamb. 2013. Equine chorionic gonadotropin influences follicle development and pregnancy rates in suckled beef cows with or without calf removal. *J. Anim. Sci.* 91:1216-1224.

Geary, T. W., M. F. Smith, M. D. MacNeil, M. L. Day, G. A. Bridges, G. A. Perry, F. M. Abreu, J. A. Atkins, K. G. Pohler, E. M. Jinks, and C. A. Madsen. 2013. Influence of Follicular Characteristics at Ovulation on Early Embryo Survival. *J. Anim. Sci.* 91:3014-3021.

Jinks, E. M., M. F. Smith, J. A. Atkins, K. G. Pohler, G. A. Perry, M. D. MacNeil, A. J. Roberts, R. C. Waterman, L. J. Alexander, and T. W. Geary. 2013. Preovulatory estradiol and the establishment and maintenance of pregnancy in suckled beef cows. *J. Anim. Sci.* 91:1176-1185.

K. Grant, J. K., P. L. Steichen, C. L. Wright, K. A. Vonnahme, M. L. Bauer, J. S. Jennings, and G. A. Perry. 2013. Influence of nitrogen and sulfur intake on bovine uterine pH throughout the luteal phase. *J. Anim. Sci.* 91:11186-1192.

Perry, G. A., A. D. Zimmerman, R. F. Daly, R. E. Buterbaugh, J. Rhoades, D. Scholz, A. Harmon, C.C.L. Chase. 2013. The effects of vaccination on serum hormone concentrations and conception rates in synchronized naive beef heifers. *Theriogenology* 79(1):200-205.

Book Chapters

Perry, G. A. and R. A. Cushman. Effect of age at puberty/conception date on cow longevity. In: *Veterinary Clinics of North America: Food Animal Practice.*

Abstracts Presented at Scientific Meetings

Perry, G. A., E. L. Larimore, and J. A. Walker. 2013. Influence of previous experience on performance and grazing behavior in beef heifers. *J. Anim. Sci.* T176

Perry, G. A., M. F. Smith, and K. G. Pohler. 2013. Comparison of four methods to determine pregnancy success in beef cattle. *J. Anim. Sci.* T347

Larimore, E. L., S. G. Kruse, B. J. Funnell, S. L. Bird, O. L. Swanson, G. A. Bridges, and

G. A. Perry. 2013. Influence of estrus at fixed-time AI on accessory sperm numbers and embryonic development. *J. Anim. Sci.* #220

- Swanson, O. L., E. L. Larimore, B. L. Perry, G. D. Djira, R. A. Cushman, and G. A. Perry. 2013. Relationship of follicle size and concentrations of estradiol among cows that do and do not exhibit estrus during a fixed-time AI protocol. *J. Anim. Sci.* #223
- Kruse, S. G., B. J. Funnell, S. L. Bird, H. P. Dias, S. L. Lake, R. P. Arias, G. A. Perry, O. L. Swanson, E. L. Larimore, and G. A. Bridges. 2013. Influence of post-insemination nutrition on embryonic development in beef heifers. *J. Anim. Sci.* 589
- Forbes, E. D., O. L. Swanson, A. K. McNeel, R. G. Tait, T. P. L. Smith, G. L. Bennett, T. A. Hoagland, S. A. Zinn, C. A. Lents, G. A. Perry, and R. A. Cushman. 2013. The effects of selecting for the myostatin F94L polymorphism on reproductive traits in pubertal heifers. *J. Anim. Sci.* W181
- Anderson, J. L., K. F. Kalscheur, J. A. Clapper, G. A. Perry, D. H. Keisler, A. D. Garcia, and D.J. Schingoethe. 2013. Metabolic profile and onset of puberty of growing dairy heifers fed increased dietary fat from dried distillers grains. *J. Anim. Sci.* T93
- Larimore, E. L., O. L. Swanson, A. K. McNeel, R. A. Cushman, and G. A. Perry. 2013. Changes in ovarian function associated with circulating concentrations of estradiol prior to a GnRH-induced ovulation in beef cows. *Biol. Reprod.*
- Kill, L. K., K. G. Pohler, G. A. Perry, and M. F. Smith. 2013. Serum bovine pregnancy associated glycoproteins and progesterone in beef heifers that experienced late embryonic/fetal mortality. *J. Anim. Sci. Midwest*
- Smith, M. F., K. G. Pohler, J. A. Atkins, G. A. Perry, E. M. Jinks, M. D. MacNeil, and T. W. Geary. 2013. Follicular determinants of pregnancy establishment and maintenance in beef cattle. *J. Anim. Sci. Midwest*
- Smart, A., G. Perry, J. Walker, C. Wright, M. Mortellaro, and K. Vander Wal. 2013. Impact of high stocking density grazing on livestock walking and resting behavior In Abstracts: Native America- Native Rangeland: The Future of Rangeland Fire in a Changing World. Society for Range Management 66th Annual Meeting. Feb 2-8, Oklahoma City, OK.
- Meeting Proceedings/Non peer reviewed manuscripts
- Cushman, R. A., A. K. McNeel, T. G. McDanel, and G. A. Perry. 2013. Genetics of Reproductive Traits: Antagonisms with production traits. Proceedings of the Genetics Seedstock Symposium, June 27 and 28, Sioux Falls, South Dakota. pp. 19-28.
- Perry, G. A. 2013. Adding value to cowherds using reproductive technologies. Proceeding of the Northern States Beef Conference, January 17 and 18, Watertown, South Dakota.
- Perry, G. A., J. K. Grant, J. A. Walker, G. A. Bridges, S. G. Kruse, S. Bird, K. Heaton, R. Arias, and S. L. Lake. 2012. Comparison of three CIDR based fixed-time AI protocols for beef heifers. *South Dakota State University Beef Report.* p. 1-5.

J. A. Walker, G. A. Perry, and K. C. Olson. 2012. Influence of propionate salt levels on young cow reproductive performance. South Dakota State University Beef Report. p. 6-10.

M. G. Gonda, G. A. Perry, B. P. Holland, and C. J. Wright. 2012. Comparing Pfizer GneSTAR and Igenity PROGILE DNA tests in crossbred cattle. South Dakota State University Beef Report. p. 23-28.

C. L. Wright, K. VanderWal, and G. A. Perry. 2012. SDSU Cow/Calf Teaching and Research Unit. South Dakota State University Beef Report. p. 64-66.

Mousel, E. M., R. A. Cushman, G. A. Perry, and L. K. Kill. 2012. Effect of heifer calving date on longevity and lifetime productivity. Proceedings of the Applied Reproductive Strategies in Beef Cattle workshop, December 3 and 4, Sioux Falls, South Dakota. pp. 23-31.

Smith, M. F. K. G. Pohler, G. A. Perry, and D. J. Patterson. 2012. Physiological factors that affect pregnancy rate to artificial insemination in beef cattle. Proceedings of the Applied Reproductive Strategies in Beef Cattle workshop, December 3 and 4, Sioux Falls, South Dakota. pp. 33-51.

Cushman, R. A., and G. A. Perry. 2012. What we know about the genetics of reproduction. Proceedings of the Applied Reproductive Strategies in Beef Cattle workshop, December 3 and 4, Sioux Falls, South Dakota. pp. 165-173.

Johnson, S. K., R. N. Funston, J. B. Hall, G. C. Lamb, J. W. Lauderdale, D. J. Patterson, and G. A. Perry. 2012. Protocols for synchronization of estrus and ovulation. Proceedings of the Applied Reproductive Strategies in Beef Cattle workshop, December 3 and 4, Sioux Falls, South Dakota. pp. 181-188.

Perry, G. A., E. L. Larimore, G. A. Bridges, and R. A. Cushman. 2012. Management strategies for improving reproductive success in beef heifers. Proceedings of the Applied Reproductive Strategies in Beef Cattle workshop, December 3 and 4, Sioux Falls, South Dakota. pp. 249-266.

Bridges, G. A., S. G. Kruse, B. funnell, G. A. Perry, P. J. Gunn, R. P. Arias, and S. L. Lake. 2012. Effect of heifer calving date on longevity and lifetime productivity. Proceedings of the Applied Reproductive Strategies in Beef Cattle workshop, December 3 and 4, Sioux Falls, South Dakota. pp. 269-283.

USDA, ARS, U.S. Meat Animal Research Center

Cushman RA, Kill LK, Funston RN, Mousel EM, Perry GA. Heifer calving date positively influences calf weaning weights through six parturitions. J Anim Sci 2013; 91:4486-4491.

Eborn DR, Cushman RA, Echtenkamp SE. Effect of postweaning diet on ovarian development and fertility in replacement beef heifers. J Anim Sci 2013; 91:4168-4179.

University of Wisconsin

Journal Articles:

Fricke, P. M., J. O. Giordano, A. Valenza, M. C. Amundson, and G. Lopes Jr. Reproductive performance of lactating dairy cows managed for first service using timed artificial insemination with or without detection of estrus using an activity monitoring system. *J. Dairy Sci.* (submitted 08-13-13).

Bender, R. W., K. S. Hackbart, A. R. Dresch, P. D. Carvalho, L. M. Vieira, P. M. Crump, J. N. Guenther, P. M. Fricke, R. D. Shaver, D. K. Combs, M. C. Wiltbank. Effects of acute feed restriction combined with targeted use of increasing LH content of FSH preparations on superovulation and embryo quality in lactating dairy cows. *J. Dairy Sci.* (revision submitted June 2013).

Bilby, T. R., R.G.S. Bruno, K. J. Lager, R. C. Chebel, J.G.N. Moraes, P. M. Fricke, G. Lopes, Jr., J. O. Giordano, J. E. P. Santos, F. S. Lima, S. L. Pulley, and J. S. Stevenson. 2013. Supplemental progesterone and timing of resynchronization on pregnancy outcomes in lactating dairy cows. *J. Dairy Sci.* (accepted).

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