

## Holly Terry Boland

### PAPERS IN REFEREED JOURNALS

Boland, H. T., G. Scaglia, J. P. Fontenot, A. O. Abaye, R. L. Stewart, and R. Smith. 2007. Grazing behavior of beef steers grazing different Tall fescue types and Lakota prairie grass. *Prof. Anim. Sci.* 23:721-727.

Boland, H. T., G. Scaglia, W. S. Swecker Jr., and N. C. Burke. 2008. Effects of alternate weaning methods on behavior, performance, and blood metabolites of beef calves. *Prof. Anim. Sci.* 24:539-551

Boland, H. T., G. Scaglia, and K. Umemura. 2008. Impact of horn flies, *Haematobia irritans* (L.) (Diptera: Muscidae), on the behavior of beef steers. *Prof. Anim. Sci.* 24:656-660.

Stewart, Jr., R. L., G. Scaglia, A. O. Abaye, W. S. Swecker, Jr., G. E. Rottinghaus, H. T. Boland, M. McCann, J. P. Fontenot, and J. H. Fike. 2008. Estimation of forage intake by steers grazing three fescue types and determination of alkaloids in ruminal fluid and forage. *Prof. Anim. Sci.* 24:578-587

Burke, N. C., G. Scaglia, H. T. Boland, and W. S. Swecker, Jr. 2009. Influence of two-stage weaning with subsequent transport on body weight, plasma lipid peroxidation, plasma selenium, and on leukocyte glutathione peroxidase and glutathione reductase activity in beef calves. *Vet. Immunol. Immunopathol.* 127: 365-370.

Parish, J.A., T. Smith, J.R. Parish, T.F. Best, and H.T. Boland. (Accepted 2009). Evaluation of four different methods of calf birth weight data collection. *Professional Animal Scientist.* *in press.*

Scaglia, G., J.M. Gillespie, H.T. Boland, and W.E. Wyatt. (Accepted 2009). Effects of Time of Supplementation on Beef Stocker Calves Grazing Ryegrass. I. Performance and Economic Analysis. *Professional Animal Scientist.* *in press.*

Scaglia, G., H.T. Boland, and W.E. Wyatt. (Accepted 2009). Effects of Time of Supplementation on Beef Calves Grazing Ryegrass. II. Grazing Behavior and Dry Matter Intake. *Professional Animal Scientist.* *in press.*

### PAPERS IN REFEREED CONFERENCES PROCEEDINGS

Boland, H. T., G. Scaglia, J. P. Fontenot, A. O. Abaye, and R. Smith. 2005. Grazing behaviour of beef steers grazing Kentucky 31 endophyte infected tall fescue, Q4508-AR542 novel endophyte tall fescue, and Lakota prairie grass. Page 168 in *Proc. XX Int.*

Grassl. Cong. Satellite Workshop "The utilization of grazed grass in temperate animal systems". Cork, Ireland.

Scaglia, G., H. T. Boland, I. Lopez-Guerrero, R. K. Shanklin, and J. P. Fontenot. 2005. Use of alkanes to estimate dry matter intake of beef steers grazing high quality pastures. Page 250 in Proc. XX Int. Grassl. Cong. Satellite Workshop "The utilization of grazed grass in temperate animal systems". Cork, Ireland.

## ABSTRACTS

Boland, H.T., G. Scaglia, D.R. Notter, A.J. Rook, O. A. Abaye, W. S. Swecker, Jr., and J.H. Fike. 2009. Impact of Forage Novelty On Diet Preference of Beef Steers. ASA-CSSA-SSSA International Annual Meeting, November 1-5. DOI:10.2135/AnMtgsAbsts2009.52108.

Scaglia, G., W. E. Wyatt, and H. T. Boland. 2009. Effect of time of supplementation on grazing behavior of beef calves grazing annual ryegrass. *J. Anim. Sci.* 87:31 (E-Suppl. 3).

Boland, H. T., G. Scaglia, A. J. Rook, A. O. Abaye, W. S. Swecker, Jr., J.H. Fike, D. R. Notter. 2008. Behavior of cattle grazing adjacent monocultures of tall fescue and alfalfa. ASA-CSSA-SSSA International Annual Meeting. Houston, TX. October 5-9.

Burke, N, G. Scaglia, H. Boland, and W. Swecker, Jr. 2008. Effects of gradual weaning and transport on leukocyte antioxidant enzymes and plasma malondialdehyde. XXV World Buiatrics Congress, Budapest, Hungary. July 6-11.

Boland, H. T., G. Scaglia, and W. S. Swecker, Jr. 2008. Giving beef calves a choice of pasture-type influences behavior and weight gain. *J. Anim. Sci.* 86:414 (E-Suppl. 2).

Boland, H. T. and G. Scaglia. 2008. Influence of horn flies on the behavior of beef cattle. *J. Anim. Sci.* 86:469 (E-Suppl. 2).

Boland, H. T., G. Scaglia, W. S. Swecker, Jr., and N. C. Burke. 2007. Effects of preweaning strategies on blood metabolites, behavior, and performance of beef calves. *J. Anim. Sci.* 85:364 (Suppl. 1).

Boland, H. T., G. Scaglia, W. S. Swecker, Jr., and J. P. Fontenot. 2006. Effects of Different Pre- and Post-weaning Strategies on Grazing Behavior of Beef Calves. ASA, CSSA, SSSA. International Annual Meeting. Indianapolis, IN. November 12-16.

Boland, H., G. Scaglia, J. P. Fontenot, A. O. Abaye, and R. Smith. 2005. Continuous direct visual observation of the grazing behavior of beef steers grazing Lakota prairie

grass and different Tall fescue types. ASA-CSSA-SSSA International Annual Meeting. Salt Lake City, UT. November 6-10.

## **SYMPOSIA ABSTRACTS**

Boland, H. T., G. Scaglia, W. S. Swecker, Jr., and N. C. Burke. 2007. Blood metabolites, behavior, and performance of beef calves under different pre-weaning management strategies. 23<sup>rd</sup> Annual Research Symposium and Exposition, The Graduate Student Assembly of Virginia Tech, March 28.

Boland, H., G. Scaglia, J. P. Fontenot, A. O. Abaye, R.L. Stewart, Jr., and R. Smith. 2007. Grazing behavior of beef steers grazing Lakota prairie grass, endophyte infected tall fescue, and novel endophyte infected tall fescue. Deans' Forum on Health, Food, and Nutrition, Virginia Tech, November 5.

Boland, H. T., G. Scaglia, W. S. Swecker, Jr., and N. C. Burke. 2007. Blood metabolites, behavior, and performance of beef calves under different pre-weaning management strategies. Deans' Forum on Health, Food, and Nutrition, Virginia Tech, November 5.

Burke, N. C., G. Scaglia, H. T. Boland, and W. S. Swecker, Jr. 2007. Effects of gradual weaning methods and transport on leukocyte antioxidant enzymes and plasma malondialdehyde, 19<sup>th</sup> Annual Research Symposium, Virginia-Maryland Regional College of Veterinary Medicine, May 15-16.

Boland, H., G. Scaglia, J. P. Fontenot, A. O. Abaye, R.L. Stewart, Jr., and R. Smith. 2006. Grazing behavior of beef steers grazing Lakota prairie grass, endophyte infected tall fescue, and novel endophyte infected tall fescue. 22<sup>nd</sup> Annual Research Symposium and Exposition, The Graduate Student Assembly of Virginia Tech, March 29.

## **INVITED PRESENTATIONS**

"Grazing Management", Deep South Stocker Conference, Forrest County Multipurpose Center, Hattisburg, MS. August 20-21, 2009.

"Grazing Behavior Research at Virginia Tech", Grazing Behavior Workshop; Penn State, State College, PA. Coordinator: Kathy Soder, USDA-ARS. July 25-26, 2006

"Beef Cattle Nutrition and Forages", Chatham County North Carolina Livestock Association, Kentland Farm Tour, Virginia Tech Farm, Blacksburg, VA, July 29, 2005.

“Grazing Behavior of Beef Cattle”, American Forage and Grasslands Council, 2004 Annual Meeting, Kentland Farm Tour, Virginia Tech Farm, Blacksburg, VA. June 12, 2004.

## **EXTENSION PUBLICATIONS**

Parish, J. A., J. D. Rhinehart, and H. T. Boland. 2009. Early Weaning Beef Calves. Extension Publication 2555. Mississippi State University Extension Service. (POD 05-09). <http://msucares.com/pubs/publications/p2555.pdf>

Parish, J. A., J. D. Rhinehart, and H. T. Boland. 2009. Beef Cattle Calving Management. Extension Publication 2558. Mississippi State University Extension Service. (POD 05-09). <http://msucares.com/pubs/publications/p2558.pdf>

Parish, J. A., J. D. Rivera, and H. T. Boland. 2009. Understanding the Ruminant Animal Digestive System. Extension Publication 2503. Mississippi State University Extension Service. (POD 08-09). <http://msucares.com/pubs/publications/p2503.pdf>

## **EXTENSION NEWSLETTER ARTICLES**

Boland, H.T., 2009. MAFES Research: Low-Stress Weaning Methods. Mississippi Beef Cattle Improvement Association Newsletter, Vol. 6(10):3, <http://msucares.com/livestock/beef/mbcia/oct2009mbcia.pdf>

Boland, H.T., 2009. MAFES Prairie Research Unit Field Day, October 24. Mississippi Beef Cattle Improvement Association Newsletter, Vol. 6(9):2, <http://msucares.com/livestock/beef/mbcia/sep2009mbcia.pdf>

Boland, H.T., 2009. Southern Region Research Highlights. Mississippi Beef Cattle Improvement Association Newsletter, Vol. 6(3):3, <http://msucares.com/livestock/beef/mbcia/mar2009mbcia.pdf>