

Krista La Moen Lea
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Curriculum vitae
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EDUCATION

- 2014 M.S. Integrated Plant and Soil Science. Department of Plant and Soil Sciences, University of Kentucky, Lexington, KY.
2009 B.S. Animal Science, Animal Industry Option with Equine Focus. Department of Animal and Food Science, University of Kentucky, Lexington, KY
2007 Spring Breeding and Foaling, Graduate. Kentucky Equine Management Internship. Lexington, KY.

PUBLICATIONS

Refereed Journal Articles

- 2014 **Lea, K.**, L. Smith, C. Gaskill, R. Coleman and S.R. Smith. Ergovaline Stability in Tall Fescue Based on Sample Handling and Storage Methods. *Frontiers in Chemistry*, 2. Doi: 10.3389/fchem.2014.00076.
2012 Smith, S.R.¹, **K. Cotten**, R. Allman, R. Watson, K. Sena and T. Keene. Grazing and Pasture Management Considerations from Around the World. *Forages and Grazing in Horse Nutrition*. Vol. 132, pp 197-208.

Conference Proceedings

- 2014 **Cotten, K.**, R. Coleman, C. Gaskill, L. Smith and S.R. Smith. Effect of Sample Handling and Storage of Fresh Tall Fescue Samples on Ergovaline Concentration. American Forage and Grassland Council Annual Conference, Memphis, TN. Jan 12-14.
2013 **Cotten, K.**, L. Smith, C. Gaskill, R. Coleman and S.R. Smith. Effect of Sample Handling and Storage on Ergovaline Concentration in Fresh Tall Fescue Samples. 22nd International Grassland Congress, Sydney, Australia. September 15-19.
2013 Smith, S.R., T. Keene, L.C. Greenwell and **K. Cotten**. Novel Approaches to Developing On-Farm Biomass Production Systems. 22nd International Grassland Congress, Sydney, Australia. September 15-19.
2013 Smith, S.R., **K. Cotten** and T. Keene. Can Pregnant Mares Graze Pastures containing Tall Fescue: Practical Assessment Methods. American Forage and Grassland Council Conference, Covington, KY. January 6-8.

¹ For all entries, first author was primary author and/or presenting author

- 2013 Houben, A.M., **K. Cotten** and S.R. Smith. Comparison of Field and Lab Results for Determining Prussic Acid Levels of Sorghum-Sudangrass Varieties. American Forage and Grassland Council Conference, Covington, KY. January 6-8.
- 2013 Greene, E., S.R. Smith, **K. Cotten** and D. Davis. Comparison of Ergovaline Concentration in BarOptima Plus E34 Tall Fescue and Control Varieties. American Forage and Grassland Council Conference, Covington, KY. January 6-8.
- 2013 **Cotten, K.**, L. Smith, C. Gaskill, R. Coleman and S.R. Smith. Effect of Sample Handling and Storage on Ergovaline Concentration in Tall Fescue Samples. American Forage and Grassland Council Conference, Covington, KY. January 6-8.
- 2012 Smith, S.R., T. Keene and **K. Cotten**. Switchgrass Biomass Yield and Quality with multiple Fertilizer Applications and Harvest Dates. American Forage and Grassland Council Conference, Louisville, KY. January 9-11.
- 2012 Smith, S.R., L. Saylor, D. Davis, G. Roberts and **K. Cotten**. Determining the Effect of Mowing Height and Fertility on Orchardgrass Yield and Persistence. American Forage and Grassland Council Conference, Louisville, KY. January 9-11.

Other Publications

- 2014 **Lea, K.** and S.R. Smith. Growing your Bedding: The Good, the Bad and the Ugly. Bluegrass Equine Digest. Sept. 24.
- 2014 Smith, S.R., **K. Lea**, K. Prince and D. Hancock. Fall Establishment of Cool Season Grass Pastures. The Forage Leader. September
- 2014 Prince, K., **K. Lea** and S.R. Smith. Recommendations for Overseeding Horse Pastures. Bluegrass Equine Digest. August 29.
- 2014 Prince, K., **K. Lea** and S.R. Smith. Grazing Summer Grasses: What to Expect. Bluegrass Equine Digest. July 25.
- 2014 Prince, K., **K. Lea** and S.R. Smith. When and How to Re-Establish Horse Pasture. Bluegrass Equine Digest. June.
- 2014 **Lea, K.**, L. Smith, C. Gaskill, R. Coleman and S.R. Smith. Tall Fescue Ergovaline Concentration Based on Sample Handling and Storage Method. Thesis, University of Kentucky, Lexington, KY. May.
- 2014 Smith, S.R., **K. Lea**. Summer Forage Tours are a Great Educational Opportunity. Progressive Forage Grower. May.
- 2014 **Lea, K.** How Many Horses Can Your Farm Hold? Bluegrass Equine Digest. May 21.
- 2014 **Lea, K.**, C. Gaskill, S.R. Smith. Tall Fescue Testing: Understanding the Numbers. Bluegrass Equine Digest. April 25.
- 2014 **Lea, K.** and S.R. Smith. Spring Pasture Management Do's and Don'ts. Bluegrass Equine Digest. March 29
- 2013 **Lea, K.** Lessons in Agriculture from the Land Down Under. Bluegrass Equine Digest. November 22.
- 2013 **Lea, K.** Fescue Sample Handling, Storage can Affect Analysis Results. Bluegrass Equine Digest. Nov. 19
- 2013 **Cotten, K.** UK's Horse Pasture Evaluation Program Identifies Kentucky Pasture Trends. Bluegrass Equine Digest. February 21.

- 2012 Smith, S.R., T. Keene and **K. Cotten**. Switchgrass Biomass Yield and Quality with Multiple Fertilizer Applications and Harvest Dates. ASA, CSSA and SSSA International Annual Meetings, Cincinnati, OH. October 21-24.
- 2012 **Cotten, K.** and S.R. Smith. Fall Pasture Management Following a Drought. Bluegrass Equine Digest. August 26.
- 2011 Smith, S.R. and **K. Cotten**. University of Kentucky Pasture Evaluation Program Enjoys Continued Success. Bluegrass Equine Digest. February 23.
- 2011 Smith, S.R. and **K. Cotten**. Managing Mud on Horse Farms. The Bloodhorse. March issue.
- 2011 Smith, S.R. and **K. Cotten**. Managing Mud on Kentucky Horse Farms. Bluegrass Equine Digest. February 24.
- 2011 Keene, T.C., S.R. Smith, L. Schwer and **K. Cotten**. Switchgrass Biomass Production on Northeastern Kentucky Farms. National Farm Machinery Show, Louisville, KY. February 16-19.
- 2011 Smith, S.R., K. Sena and **K. Cotten**. Switchgrass Stories: UK's Switchgrass Biomass Project. EcoLearnIT online learning module, published January 2011. http://ecolearnit.ifas.ufl.edu/viewer.asp?rlo_id=467
- 2011 Smith, S.R., K. Sena and **K. Cotten**. Switchgrass for Biomass Project: Highlights from the University of Kentucky. EcoLearnIT online learning module, published January 2011. http://ecolearnit.ifas.ufl.edu/viewer.asp?rlo_id=466
- 2011 Smith, S.R., K. Sena and **K. Cotten**. A Decision Aid for Switchgrass for Biomass vs. Hay Production. EcoLearnIT online learning module, published January 2011. http://ecolearnit.ifas.ufl.edu/viewer.asp?rlo_id=443
- 2010 Smith, S.R. and **K. Cotten**. Overseeding Horse Pastures In Central Kentucky. Bluegrass Equine Digest. August 20.

AWARDS AND HONORS

- 2014 3rd place in Emerging Scientist Contest, American Forage and Grassland Council Conference, Memphis, TN. January 12-14.
- 2013 2nd place in Master's division of Graduate Student Mini-Symposium, Dept. of Plant and Soil Sciences, University of Kentucky, Lexington, KY. August 27.
- 2013 Grad Student Spotlight in Bluegrass Equine Digest, April issue.
- 2010 1st place Forage Bowl Team at American Forage and Grassland Council Conference, Springfield, MO. June 21-23

GRANTS AND FELLOWSHIPS

- 2013 Grassland Foundation Board grant awarded to attend the 22nd International Grassland Congress, Sydney, Australia. \$2,000.

INVITED TALKS

- 2014 **Lea, K.** Understanding Forages for Horses. Kentucky Equine Management Internship. Lexington, KY. August 19.

- 2014 **Lea, K.** Effect of Sample Handling and Storage on Ergovaline Concentrations in Tall Fescue Samples. Departmental Exit Seminar. January 27.
- 2013 **Lea, K.** Horse Pasture Management in Kentucky, USA. Masters in Equine Science program at University of Edinburgh. October (presentation was recorded and shared).
- 2013 **Lea, K.** Understanding Forages for Horses. Kentucky Equine Management Internship, Lexington, KY. October 9.
- 2013 **Lea, K.** Effect of Sample Handling and Storage on Ergovaline Concentrations in Tall Fescue Samples. Graduates Student Mini-Symposium, Department of Plant and Soil Sciences, University of Kentucky, Lexington, KY. August 27
- 2013 **Cotten, K.** Understanding Pasture Evaluation and Management. Kentucky Equine Management Internship, Lexington, KY. April 30.
- 2013 **Cotten, K.** Effect of Tall Fescue Sample Handling and Storage on Ergovaline Concentrations. Forage and Grassland Discussion Group, University of Kentucky, Lexington, KY. February 12.
- 2012 Smith, S.R., C. Gaskill, L. Smith and **K. Cotten.** Developing and Promoting Field Level Testing for Nitrates, Cyanide and Ergovaline in Forages. Plant and Soil Sciences Departmental Seminar, University of Kentucky, Lexington, KY. December 7.
- 2012 **Cotten, K.** Practical Pasture Management for Horse Farms. Kentucky Equine Management Internship, Lexington, KY. October 25.
- 2011 **Cotten, K.** Horse Pasture Evaluation Program at the University of Kentucky. Midway College, Midway, KY. April 20.

CONFERENCE ATTENDANCE/SUPPORT

- 2014 National Association of Equine Affiliated Academics, Louisville, KY. June 24-27.
- 2014 34th Kentucky Alfalfa Conference, Lexington, KY. February 20.
- 2014 Alfalfa Seminar and Purina Animal Nutrition Center Tour, St. Louis, MO. February 18-20.
- 2014 Kentucky Small Ruminant Grazing Conference, Lexington, KY. February 1.
- 2014 American Forage and Grassland Council Conference, Memphis, TN. January 12-14.
- 2013 22nd International Grassland Congress, Sydney, Australia. September 15-19.
- 2013 33rd Kentucky Alfalfa Conference, Lexington, KY. February 21.
- 2012 32nd Kentucky Alfalfa Conference, Cave City, KY. February 23.
- 2012 American Forage and Grassland Council Conference, Louisville, KY. January 11-13
- 2011 Kentucky Cattlemen's Association / Kentucky Horse Council Joint Annual Conference, Lexington, KY. January 14.
- 2011 Heart of America Grazing Conference, Louisville, KY. January 25-26.
- 2011 National Farm Machinery Show, Louisville, KY. February 16-17.
- 2011 31st Kentucky Alfalfa Conference, Lexington, KY. February 24.
- 2011 American Forage and Grassland Council Conference, French Lick, IN. June 12-15.
- 2011 Cool-Season Grass Workshop, French Lick, IN. June 16.
- 2011 Kentucky Grazing Conference, Bowling Green, KY. October 13.
- 2010 American Forage and Grassland Council Conference, Springfield, MO. June 21-23.

SERVICE TO PROFESSION

- 2012-2014 Member of Kentucky Equine Management Internship Alumni Association
Founding Committee
- 2011-2014 National Forage Bowl Contest chair
- 2010-2014 College of Agriculture Equine Forum Meetings
- 2010-2014 Pasture and Forage Working Group
- 2010-2014 Forage and Grassland Discussion Group

EXTENSION PROGRAMS

Seminars

- 2014 **Lea, K.** Understanding Forages for Horses. Thoroughbred Owners and Breeders Association Breeding Clinic, Lexington, KY. May 30-June 1.
- 2013 **Cotten, K.** Understanding Forages for Horses. Thoroughbred Owners and Breeders Association Breeding Clinic, Lexington, KY. May 31-June 2.
- 2013 Keene, T.C. and **K. Cotten.** Forage Innovations that Improve Production and Make You More Money. Professional Crop Producers Conference, Lancaster, PA. February 19-21.
- 2013 Smith, S.R. and **K. Cotten.** Proven methods to Reestablish Horse Pasture. Pastures Please!, Lexington, KY. February 18.
- 2013 Smith, S.R. and **K. Cotten.** Evaluating and Maintaining Your Pastures. 4th Annual Kentucky Breeders' Short Course, Lexington, KY. January 19.
- 2012 Smith, S.R. and **K. Cotten.** Pasture Management Concepts for the Horse Farm Manager. 14th annual Hagyard Bluegrass Symposium, Lexington, KY. November 1-4.
- 2012 **Cotten, K.** and S.R. Smith. New Findings in Understanding and Managing Tall Fescue and the Endophyte in Kentucky Horse Pastures. Kentucky Association of Equine Practitioners, Lexington, KY. October 24.
- 2012 Smith, S.R. and **K. Cotten.** Fertility Management in Horse Pastures. Pastures Please!. Winchester, KY. January 31.
- 2012 Smith, S.R., T. Keene and **K. Cotten.** Horse Pastures: How Much Tall Fescue is Too Much? Kentucky Cattlemen's / Kentucky Horse Council Annual Conference. Lexington, KY. January 12-14
- 2011 Smith, S.R. and **K. Cotten.** Managing Pastures While Grazing. Kentucky Equine Networking Association, Lexington, KY. May 19.
- 2011 Smith, S.R. and **K. Cotten.** Equine Pasture Establishment after Dry Summer and Fall. Pastures Please!, Georgetown, KY. February 1.
- 2011 Smith, S.R. and **K. Cotten.** Small Acreage Management. Kentucky Horse Council Annual Conference. Lexington, KY. January 13-14.

Events

- 2014 Animal Horse Field Day. Asbury University, Wilmore, KY. June 20
- 2014 Equine Farm and Facilities Expo. Kentucky Equine Humane Center, Nicholasville, KY. June 3.
- 2014 Pastures Please!! Georgetown, KY. February 6.
- 2013 14th Kentucky Grazing Conference. Lexington, KY. October 10.
- 2013 Equine Farm and Facilities Exp. Toll Gate Farm, Georgetown, KY. June 19.

- 2013 Locust Trace Field Day. Locust Trace AgriScience Farm, Lexington, KY. April 23
- 2012 Alltech FEI World Equestrian Games. Kentucky Horse Park, Lexington, KY. September 25 - October 10
- 2012 Hats Off to Kentucky's Horse Industry. Kentucky Horse Park, Lexington, KY. August 4.
- 2012 Equine Farm and Facilities Expo. Margaux Farm, Midway, KY. May 31.
- 2012 Rolex Kentucky 3 Day Event. Lexington, KY. April 26-29.
- 2011 National Horse Show. Kentucky Horse Park, Lexington, KY. November 5.
- 2011 Draft Animal Field Day. Asbury University, Wilmore KY. September 12.
- 2011 College of Agriculture All Commodities Field Day, Princeton, KY. July 21.
- 2011 Equine Farm and Facilities Expo. Shawhan Place Farm, Paris, KY. June 7.
- 2011 Master Grazer Grazing School, Princeton, KY. April 14-15.
- 2010 Hats Off to Kentucky's Horse Industry. Kentucky Horse Park, Lexington, KY. August 7.
- 2010 Equine Farm and Facilities Expo. Spy Coast Farm, Lexington, KY. June 1.

PROFESSIONAL MEMBERSHIPS/AFFILIATIONS

- 2014 Kentucky Department of Agriculture Non-Commercial Pesticide License
- 2007-2014 Kentucky Thoroughbred Farm Managers Club Associate Member
- 2008-2014 Kentucky Horse Council Member
- 2011-2012 Kentucky Equine Networking Association

OTHER ENGAGEMENT

- 2014 Mt. Pleasant Vacation Bible School, Nicholasville, KY June 22-26.
- 2014 CPR Certified
- 2014 State 4-H Horse Judging Contest
- 2012-2014 Kentucky Equine Management Internship Alumni Association Committee Member
- 2011 Eastern Nationals 4-H Horse Show and Contest, Louisville, KY. November 5.
- 2010 Mt. Pleasant Vacation Bible School, Nicholasville, KY.
- 2010 Kentucky State 4-H Horse Show, Louisville, KY.
- 2009 University of Kentucky Horse Judging Team
- 2006 West Texas A&M Equestrian Team