

MARY E. DREWNOSKI

Associate Professor, Beef Systems Specialist
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Education and Training

<i>Institution</i>	<i>Area</i>	<i>Degree</i>	<i>Year</i>
Berea College	Ag and Natural Resources	B.Sc.	2004
North Carolina State University	Animal Science	M.Sc.	2006
North Carolina State University	Animal Nutrition	Ph.D.	2009

Research and Professional Experience

- 07/2019-present Associate Professor, Beef Systems, University of Nebraska-Lincoln (68% Extension, 30% Research, and 2% Service)
- 04/2014-07/2019 Assistant Professor, Beef Systems, University of Nebraska-Lincoln (68% Extension, 30% Research, and 2% Service)
- 09/2012-04/2014 Assistant Professor, Beef Nutrition, University of Idaho (60% Research and 40% Teaching)
- 08/2009-09/2012 Postdoctoral Research Associate, Beef Nutrition, Iowa State University.

Recent Professional Honors and Awards

2023- Nebraska Gamma Sigma Delta- Extension Award of Merit

2020- American Society of Animal Science- Outstanding Young Extension Specialist Award

Synergistic Activities

- 1. Beef Interest Group (BIG) Nebraska Extension Team.** Co-leader. 2016-present. The focus is to provide research based information to beef producers to help them provide an economical, safe, quality product to consumers while protecting and preserving Nebraska's vast natural resource. Members include 15 UNL Extension specialists and 14 UNL Extension educators.
 - Provide oversight of website <http://beef.unl.edu/> has 665,000 unique visitors each year.
- 2. University of Nebraska Center for Agricultural Profitability (CAP).** Member. 2021-Present. Interdisciplinary group of 18 faculty conducting research and outreach related to agricultural profitability to support informed decision-making in agriculture. <https://cap.unl.edu/>

Recent Research Reports

1. Davies-Jenkins, S.L., A. Sartin, D. Jakub, Z. Carlson, E. Laborie, J. Arterburn, B. Beckman, B. Schick and **M. E. Drewnoski**. 2024. Impact of Strip-Grazing Stockpiled Annual/Cover

- Crop Forages on Carrying Capacity and Animal Performance. Nebraska Beef Report. MP118: 37-41.
2. Hall, A. K., A. M. Sartin, K. J. Calus, M. T. Grabau, D. D. Redfearn, R. B. Mitchell, **M. E. Drewnoski**. 2024. Cereal Rye, Winter Triticale or Winter Wheat: Which is Best for Early Spring Grazing? MP118: 42-44.
 3. Johnson, A. R., **M. E. Drewnoski**, D. Redfearn, S. VanderPlas, J. Rees, B. Beckman, E. Laborie, T. Whitney, K. Clark, B. Schick, G. Lesoing, and C. Biehler. 2024. Survey of Current Management Practices and Evaluation of their Impact on Nutrient of Content of Small Cereal Silage in Nebraska. Nebraska Beef Report. MP118: 45-48.
 4. Wheeler, K. E., J. Miller, S. Ference, S. Geu, B. Struckmeyer, A. Easterly, C. Creech, B. Maust, D. Redfearn, J. Parsons, and **M. E. Drewnoski**. 2024. Rethinking Corn Residue: Effects of Grain Yield on Quality and Quantity of Residue. Nebraska Beef Report. MP118: 49-51.

Recent Peer Reviewed Publications

1. Speer, H. F., K. Wilke, and **M. E. Drewnoski**. 2024. Effect of vitamin A supplementation on liver retinol concentrations of beef cows and their calves managed in confinement. Applied Animal Science. 40:619-626 <https://doi.org/10.15232/aas.2024-02564>
2. Bowman., M., M. Afri, A. Beenken, A. Boline, M. Drewnoski, F. S. Krupek, J. Parsons, D. Redfearn, S. Wallander and C. Whitt. 2024. Cover Crops on Livestock Operations: Potential for Expansion in the United States. USDA Economic Research Service. Admin. Pub. 120. <https://www.ers.usda.gov/webdocs/publications/109083/ap-120.pdf?v=3138.3>
3. Wheeler, K. E., M.S. Most, D.T. Dustin, J. Parsons, M.E. Drewnoski, and K.H. Wilke. 2023. Effects of Strategic Supplementation of Distillers Grains on Gains and Economic Return of Yearling Cattle Grazing Cool Season Pastures in the Summer. Applied Animal Science. 39:494-50. <https://doi.org/10.15232/aas.2023-02432>
4. Grabau, M.T., J. C. MacDonald, Z. E. Carlson, and M. E. Drewnoski. 2023. Impact of cattle grazing corn residue in spring on soil and subsequent soybean yield. Agronomy Journal. <https://doi.org/10.1002/agj2.21407>
5. Carlson, Z. E., L. J. McPhillips, G. E. Erickson, M. E. Drewnoski, and J. C. MacDonald. 2022. Production cow-calf responses from perennial forage-based and integrated beef-cropping system. Translational Animal Science. <https://doi.org/10.1093/tas/txac090>
6. Linder, H. F., M.E. Drewnoski and J.C. MacDonald. 2022. Interaction of urea with frequency and amount of distillers grains supplementation for growing steers on a high forage diet. Translational Animal Science. <https://doi.org/10.1093/tas/txac076>
7. Reynolds, M. B. and M.E. Drewnoski. 2022. Is it time to re-think our one-size fits all approach to nitrate toxicity thresholds in forages? Translational Animal Science. <https://doi.org/10.1093/tas/txac023>.
8. Anderson, L., H. Blanco-Canqui, M. E. Drewnoski, J. MacDonald, K. Calus, M. Brinton, B. H. Hansen, K. M. Ulmer, Z. Carlson and F. H. Hilscher. 2021. Cover crop grazing impacts on soil properties and crop yields under irrigated no-till corn-soybean management. Soil Science Society of America Journal. 1-16. <https://doi.org/10.1002/saj2.20358>
9. Blanco-Canqui, H., M. E. Drewnoski, D. G. Rice. 2020. Does harvesting cover crops eliminate the benefits of cover crops? Insights after three years. SSSAJ. 85:146-157. 10.1002/saj2.20175