

## **S. Maggie Justice**

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### **EDUCATION**

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#### **Auburn University**

Doctor of Philosophy in Animal Science  
Beef Cattle Nutrition and Management  
Extension Educator Graduate Certificate  
Major Advisor: Kim Mullenix, Ph.D.

**Auburn, Alabama**

Graduation Date: August 2023

#### **Clemson University**

Master of Science in Animal Science  
Ruminant Animal Growth and Development  
Major Advisor: Susan Duckett, Ph.D.

**Clemson, South Carolina**

Graduation Date: August 2020

#### **Clemson University**

Bachelor of Science in Animal and Veterinary Sciences  
Concentration- Pre-veterinary and Sciences

**Clemson, South Carolina**

Graduation Date: May 2018

### **PROFESSIONAL EXPERIENCE**

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#### **Assistant Professor- Beef Cattle Extension Specialist**

Auburn University College of Agriculture  
Department of Animal Science

- 50% Research
- 50% Extension

August 2025-Present

Auburn, Alabama

#### **Assistant Professor- Beef Cattle Extension Specialist**

University of Arkansas Division of Agriculture  
Department of Animal Science

- Current appointment of 100% Extension
- Arkansas Beef Quality Assurance State Coordinator

May 2023-2025

Little Rock, Arkansas

#### **Graduate Research Assistant**

Auburn University  
Auburn, Alabama  
Department of Animal Sciences

July 2020-May 2023

#### **Graduate Teaching Assistant**

Clemson University  
Department of Animal and Veterinary Sciences

August 2018-July 2020

Clemson, South Carolina

### **SCIENTIFIC PUBLICATIONS**

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#### **Referred Publications:**

**Justice, S.M.**, Mullenix, M.K., Tigue, D.A., Chamorro, M.F., Dillard, S.L., Smith, W.B., and Rodning, S.P. "Extended effects of post weaning management in southeastern beef calves," Applied Animal Science, vol. 41, no. 4, pp. 363.

- Justice, S.M.,** Mullenix, M.K., Tigue, D.A., Elmore, M.F., Dillard, S.L., Smith, W.B., Runge, M., and Kelley, W.K. "Assessment of weaning and backgrounding management practices utilized by Alabama beef cattle producers," *Applied Animal Science*, vol. 40, no. 2, pp. 81-90.
- Justice, S.M.,** Duckett, S.K., and Jesch, D.E. "Evaluation of dam and sire breeds on lamb carcass quality and composition in pasture-based systems," *Animals*, vol. 13, no. 22, pp. 3560.

- Justice, S.M.**, Greene, M.A., Dennis, M., Hart, K., Humphrey, L., and Duckett, S.K., “Evaluation of Terminal Sire Breed on Carcass and Muscle Composition in Pasture-Finished Lambs,” *Concepts of Dairy & Veterinary Sciences*, vol. 4, no. 5, 2021, pp. 471-483.
- Justice, S.M.**, Duckett, S.K., and Jesch, D.E., “Case Report: Validation of Dual-Energy X-Ray Absorptiometry for Rapid Prediction of Fat Content in Lean Lamb Carcasses and Primal,” *Concepts of Dairy & Veterinary Sciences*, vol. 4, no. 5, 2021, pp. 465-470.
- Wilbanks, S.A., **Justice, S.M.**, West, T., Klotz, J.L., Andrae, J.G., and Duckett, S.K., “Effects of Tall Fescue Endophyte Type and Dopamine Receptor D2 Genotype on Cow-Calf Performance during Late Gestation and Early Lactation,” *Toxins*, vol. 13, no. 3. 2021.
- Britt, J., Greene, M., Klotz, J., **Justice, S.M.**, Powell, R., Noorai, R., Bruce, T., and Duckett, S., “Mycotoxin ingestion during late gestation alters placentome structure, cotyledon transcriptome, and fetal development in pregnant sheep,” *Human and Experimental Toxicology*, vol. 41. 2022.
- Jacobs, J., Mullenix, K., Kobernick, J., Dillard, S., **Justice, S.M.**, Tigue, D., Rodning, S., and Muntifering, R., “Cotton gin byproduct feed intake, quality and safety for use in gestating beef cattle diets,” *Applied Animal Science*, vol. 38, no. 5. 2022.
- Jacobs, J., Davis, D., Mullenix, K., Koebernick, J., **Justice, S.M.**, Dillard, S., Muntifering, R., Stewart, Jr., R., “Protein degradability, digestibility, and gossypol characteristics of cotton seed pertaining to post-harvest processing for beef cattle consumption,” *Applied Animal Science*, vol. 38, no. 5. 2022.

### **Manuscripts in Preparation:**

- Justice, S.M.**, Mullenix, M.K., Tigue, D.A., Chamorro, M.F., Dillard, S.L., Smith, W.B., Richeson, J.T., and Rodning, S.P. “Weaning management methods and effects on growth performance and health in southeastern beef calves,” Submitted to *Applied Animal Science*.

### **Referred Abstracts:**

- Justice\*, S.M.**, Mullenix, M.K., Gadberry, S. Assessment of retained ownership extension programming in southeastern beef cattle herds. *Journal of Animal Science*, Volume 102, Issue Supplement 1, March 2024.
- Justice\*, S.M.**, Mullenix, M.K., Tigue, D.A., Zessin, P.W., Rodning, S.P., Dillard, S.L., Smith, W.B., Boone, M.L., Henson, M., West, M.H., Agar, M., and Chamorro, M.F. ASAS Young Scholar Awardee Talk: Extended effects of sequential weaning and backgrounding management in southeastern U.S. beef calves on performance, health, and

immunological responses through the feedyard. *Journal of Animal Science*, Volume 101, Issue Supplement 3, November 2023.

**Justice\*, S.M.**, Mullenix, M.K., Tigue, D.A., Elmore, M.F., Stanford, C., Kelley, K., and Runge, M. Assessment of Weaning and Backgrounding Management Practices used by Alabama Cattle Producers. *Journal of Animal Science*, Volume 101, Issue Supplement 1, May 2023.

**Justice\*, S.M.**, Mullenix, M.K., Tigue, D.A., Zessin, P.W., Rodning, S.P., and Chamorro, M.F. Assessment of Weaning Management on Growth Performance and Health in Southeastern Beef Calves. *Journal of Animal Science*, Volume 101, Issue Supplement 1, May 2023..

**Justice\*, S.M.**, Mullenix, M.K., Tigue, D.A., Zessin, P.W., Rodning, S.P., and Chamorro, M.F. Assessment of Backgrounding Management on Growth Performance and Health in Southeastern Beef Calves. *Journal of Animal Science*, Volume 101, Issue Supplement 1, May 2023.

**Justice\*, S.M.**, Mullenix, M.K., Tigue, D. A., Carrell, R. C., West, M. H., Chamorro, M., and Rodning S.P. Extended Effects of Sequential Weaning and Backgrounding Management in Beef Calves, *Journal of Animal Science*, Volume 100, Issue Supplement 1, April 2022.

**Justice\*, S. M.**, Thomas, L. R., Greene, M. A., Jesch, E., and Duckett, S. K. Prediction of Myostatin on Carcass Composition in Crossbred Lambs, *Journal of Animal Science*, Volume 99, Issue Supplement 2, May 2021.

**Justice\*, S. M.**, Britt, J. L., Greene, M. A., Jesch, E., and Duckett, S.K. Effects of maternal ergot alkaloid exposure on male offspring carcass composition and yield. American Society of Animal Science – 2019 Perinatal Biology Symposium.

**Justice\*, S. M.**, Beer, B., Sell, G.S., Andrae, J. G., and Duckett, S. K. Use of anabolic implants in calves to increase weaning weight and backgrounding gains. Clemson University Graduate Research & Discovery Symposium- 2019.

**Justice\*, S. M.**, Britt, J. L., Miller Jr., M. F., Greene, M. A., Davis, C.R., Koch, B. M., Duckett, S. K., and Jesch, E. L. Predictions of lean meat yield in lambs using DEXA and chemical analyses proximate. American Meat Science Association – 2018 Reciprocal Meat Conference.

Mullenix, M.K., Gadberry, S., Rhinehart, J.D., Dillard, S.L., Tucker, J.J., Stewart, R.L., Vendramini, J., Poole, D.H., Sanchez, N.B., Mercadante, V.R.G., Bratcher, C.L., Welsh, T.H., Arthington, J., Poore, M.H., Earnhardt, A.L., Carrell, R.C., **Justice, S.M.**, and Soffa, D.R. Awardee Talk: Foraging for Collaboration: Beef-Forage System Strengths Unite Research and Extension Efforts in the ASAS Southern Section. *Journal of Animal Science*, Volume 101, Issue Supplement 3, November 2023.

Agar\*, M.A., Mullenix, M.K., Vasco, C., **Justice, S.M.**, Palmer, K., Kelley, K., Elmore, J., Parker, C., and Wiggins, A. Stockpiling Bahiagrass to Extend the Grazing Season and Decrease Winter Supplementation Costs for South Alabama Cattle Producers. American Society of Animal Science- Southern Section- 2023 Annual Meeting.

Zessin\*, P.W., Mullenix, M.K., Vasco, C., Silva, L., **Justice, S.M.**, Elmore, J., Dillard, S.L., Parker, C., and West, M.H. Forage Mass and Nutritive Value of Cool-Season Grass-Legume Mixtures Overseeded in Bahiagrass Pastures. American Society of Animal Science- Southern Section- 2023 Annual Meeting.

Zessin\*, P. W., Jacobs, J. L., **Justice, S. M.**, Mullenix, M. K., Tigue, D. A., Dillard S. L., and Rodning S. P. Cotton Gin Trash Processing, Quality and Safety Impacts on Feeding Recommendations for Beef Cattle, *Journal of Animal Science*, Volume 100, Issue Supplement 1, April 2022.

Dillard\*, S.L., Thompson, G., Standford, K., Marks, L., **Justice, S. M.**, and Mullenix, M. K. Transitioning the Alabama Bermudagrass Hay Summit to a Virtual Workshop, *Journal of Animal Science*, Volume 100, Issue Supplement 1, April 2022, p.g. 1–2.

Greene\*, M.A., Britt, J. L., **Justice, S. M.**, and Duckett, S. K. miRNA transcriptome of lamb skeletal muscle during hypertrophic growth from mid-gestation to market weight, *Journal of Animal Science*, Volume 99, Issue Supplement 3, November 2021, p.g. 351.

Thomas\*, A.R., **Justice, S. M.**, and Duckett, S. K. MicroRNA Expression in Longissimus Muscle Biopsies During Feedlot Finishing of Angus Steers, *Journal of Animal Science*, Volume 99, Issue Supplement 3, November 2021, p.g. 109–110.

Britt\*, J.L., Greene, M.A., **Justice, S.M.**, and Duckett, S. K. Impact of ergot alkaloid consumption on fetoplacental growth and development across late gestation in sheep. American Society of Animal Science – 2019 Perinatal Biology Symposium.

Beer, B., Sell, G., **Justice, S. M.**, Andrae, J., Miller, M., Burns, M., and Duckett, S. K. Use of anabolic implants in calves to increase weaning weight and backgrounding gains., *Journal of Animal Science*, Volume 96, Issue Supplement 3, December 2018, p.g. 102–103.

#### **Extension Publications (Peer-Reviewed):**

**Justice, S.M.**, “How to Read a Forage Analysis for Beef Cattle Producers,” University of Arkansas Division of Agriculture Extension. (In-Review).

**Justice, S.M.**, “When is it Time to Cull?” University of Arkansas Division of Agriculture Extension. (In-Review).

**Justice, S.M.**, and Gadberry, S. “Growth Implants for Suckling and Growing Beef Cattle,” University of Arkansas Division of Agriculture Extension, FSA3019. 2024.

**Justice, S.M.**, Tigue, D.A., Sawyer, J., Rodning, S.P., and Mullenix, K.M. “Implants and Their Use in Beef Cow-Calf Operations,” Alabama Cooperative Extension System, ANR-2989. 2023. <https://www.aces.edu/blog/topics/beef/implants-their-use-in-beef-cow-calf-operations/>.

- Justice, S.M.,** Tigue, D.A., Kelley, K., Rodning, S.P., Daniel, D., Dillard., S.L., Elmore, M., Rabinowitz, N., Sawadgo, W., Stanford., K., and Mullenix, K.M. “Determining the Best Time of Year to Calve,” Alabama Cooperative Extension System, ANR-3011. 2023. <https://www.aces.edu/blog/topics/beef/determining-the-best-time-of-year-to-calve/>.
- Justice, S.M.,** Tigue, D.A., Kelley, K., Rodning, S.P., and Mullenix, K.M. “Preconditioning Systems and Management Practices for Beef Calves,” Alabama Cooperative Extension System, ANR-2755. 2021. <https://www.aces.edu/blog/topics/beef/preconditioning-systems-and-management-practices-for-beef-calves/>.
- Justice, S.M.,** Mullenix, K.M., Elmore, M., Rodning, S.P., and Chamorro, M. “Weaning Methods for Beef Cow-Calf Operations,” Alabama Cooperative Extension System, ANR-2823. 2021. <https://www.aces.edu/blog/topics/beef/weaning-methods-for-beef-cow-calf-operations/>.
- Vasco, C., **Justice, S.M.,** Agar, M., Mullenix, K.M., and Dillard, S. “Stockpiling Warm-Season Perennial Grasses,” Alabama Cooperative Extension System, ANR-2897. 2021. <https://www.aces.edu/blog/topics/beef/stockpiling-warm-season-perennial-grasses/>.
- Finch, B., **Justice, S.M.,** Lunga, D.D., Philipp, D., Drescher, G.L., Burke, J., Brye, K., Roberts, T., and Daniels, M., “The Arkansas Soil Health Guide for Grazing Lands” University of Arkansas Division of Agriculture Extension. (In-Review).

#### **Industry Press and Newsletter Articles :**

- Justice, S.M.** “Setting Up for Success: Fall Calving Season.” Arkansas Cattle Business Magazine, October 2024.
- Justice, S.M.** “Clarification of USDA’s Electronic Identification Rule.” UADA Animal Science E-News, July Issue. 2024.
- Justice, S.M.** “Heat Stress in the Herd.” UADA Dairy Science E-News, July Issue. 2024.
- Justice, S.M.** “Arkansas BQA- We Are All Responsible.” Arkansas Cattle Business Magazine, February 2024.
- Justice, S.M.** “Culling Decisions in the Herd.” Arkansas Cattle Business Magazine, November 2023.
- Justice, S.M.** “Record Keeping- A Tool not a Headache.” UADA Animal Science E-News, October Issue. 2023.
- Justice, S.M.** “Heat Stress in the Herd.” UADA Animal Science E-News, July Issue. 2023.
- Justice, S.M.,** Mullenix, K., Chamorro, M., Elmore, M., and Rodning, S. “Weaning Strategies for Alabama Beef Operations,” Alabama Cattleman Magazine, vol. 64, no. 5. 2022.

**Justice, S.M.** “Weaning Beef Calves; Strategies for a Smooth Transition,” ACES Animal Science & Forages Update, vol. 2, no. 3. 2022.

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## **GRANTS AND FUNDING**

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**Total Funding Awarded: \$818,035.60**

### ***Active Funding***

#### **2024-2027 USDA Office of Partnerships and Public Engagement**

TransformAR: Innovative technical assistance & transformative education of socially disadvantaged and veteran farmers and ranchers in Arkansas. D. Quadros, **S. M. Justice**, B. Finch, M. Daniels, H. Friedrich, R. Loy, and D. Philipp. **\$749,585.60.**

#### **2024-2025 University of Arkansas Division of Agriculture Research Incentive Grant**

Determining the effects of castration timing and method on growth performance, health, and immunological response. **S. M. Justice. \$30,000.**

#### **2024-2025 Arkansas Beef Council Beef Education Program**

Arkansas Beef Quality Assurance Program. **S. M. Justice. \$10,000.**

#### **2024-2025 Arkansas Beef Council Beef Education Program**

University of Arkansas and Arkansas Beef Council Beef Producer Short Course. J. Yancey, M. Looper, **S. M. Justice** and K. Vierck. **\$11,350.**

### ***Completed Funding***

#### **2023-2024 Arkansas Beef Council Beef Education Program**

Arkansas Beef Quality Assurance Program. **S. M. Justice. \$8,400.**

#### **2021-2022 Alabama Beef Checkoff Research Grant**

Assessment of weaning and backgrounding management practices utilized by Alabama Cattle Producers . **S. M. Justice. \$8,700.**

### ***Submitted Funding***

#### **2025-2030 National Institute of Food and Agriculture USDA**

Pasture Finished Beef: Impacts on production, economics, and the environment. D. Rivera, **S. M. Justice**, B. Finch, R. Loy, K. Vierck, and S. Gadberry. **\$955,225.**

#### **2024-205 Southern Region Sustainable Agriculture Research & Education Program**

Using Nutrient-Rich Strips for Visual Assessment of Soil Fertility Status in Grazing Production. B. Finch, and **S. M. Justice. \$20,740.50.**

## Funding Not Awarded

### 2024-205 National Institute of Food and Agriculture USDA

Investigating management practices to improve the adoption of climate-smart alfalfa forage production in Arkansas. B. Finch, **S. M. Justice**, D. Rivera, J. Kubesch, J. Davis, and S. Gadberry. **\$230,622.**

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## EXTENSION PROGRAMMING & EDUCATION

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### Invited Extension Presentations and Workshops

- *Beef Cattle Management Planning*. Faulkner County Cattlemen's Meeting. November 2024. Attendance = 40.
- *A Beef Cattle Career in Extension*. UofA Cattlemen's Association Meeting. November 2023. Attendance = 10.
- *Farm Finishing for Beef Cattle*. Arkansas Cattlemen's Association ACLC. November 2024. Attendance = 25
- *Forage Options in South Arkansas*. Calhoun County Cattlemen's Meeting. November 2024. Attendance = 15.
- *Limit Grazing Annual Forages an Alternative to Grain Supplementation*. Arkansas AFGC Fall Conference. November 2024. Attendance = 60.
- *Setting Your Herd Up for Success through Nutrition*. Baxter County Cattlewomen Series. October 2024. Attendance = 10.
- *EPDs and Genomic Testing: Another Tool in Your Toolbox*. Greene County Livestock Field Day. October 2024. Attendance = 30.
- *Culling in the Herd*. Cleveland County Cattlemen's Meeting. September 2024. Attendance = 10.
- *Weighing Your Options for Winter Feeding*. Lawrence County Cattlemen's Meeting. September 2023. Attendance = 35.
- *Setting Your Herd Up for Success through Nutrition*. NE Arkansas Cattlemen's Meeting. September 2024. Attendance = 20.
- *Beef Quality Assurance: Optimizing Management*. Arkansas Cattlemen's Association Convention: Cattlemen's College. July 2024. Attendance = 65.
- *Setting Your Herd Up for Success through Nutrition*. Clark County Cattlemen's Meeting. May 2024. Attendance = 15.
- *How the National BQA Audit Impacts Me*. Cleburne County Cattlemen's Meeting. May 2024. Attendance = 20.
- *Chute Side Examples and Simulators*. Regional BQA Train the Trainer. April 2024. Attendance = 30.
- *Setting Your Herd Up for Success through Nutrition*. SWREC Beef & Forage Field Day. April 5, 2024. Attendance = 30.
- *Setting Your Herd Up for Success through Nutrition*. Arkansas Women in Agriculture Conference. April 2024. Attendance = 20.
- *Herd Health and Its Impact*. Columbia County Production Meeting. March 2024. Attendance = 15.
- *What is Your Feed Bill Actually Costing You?* Litte River County Cattlemen's Meeting. March 2024. Attendance = 20.



- *EPDs and Genomic Testing: Another Tool in Your Toolbox*. Pulaski County Production Meeting. March 2024. Attendance = 10.
- *EPDs and Genomic Testing: Another Tool in Your Toolbox*. Benton County Production Meeting. March 2024. Attendance = 15.
- *Fescue Toxicosis and Its Impact on the Herd*. Twin Lakes Beef & Forage Conference. March 2024. Attendance = 20.
- *Backgrounding Nutrition*. Little Red River Valley Beef Conference. March 2024. Attendance = 25.
- *Culling in the Herd*. Perry County Production Meeting. March 2024. Attendance = 30.
- *EPDs and Genomic Testing: Another Tool in Your Toolbox*. Yell County Cattlemen's Meeting. February 2024. Attendance = 25
- *EPDs and Genomic Testing: Another Tool in Your Toolbox*. Faulkner/ Van Buren County Production Meeting. February 2024. Attendance = 25.
- *How to Use a Forage Stick*. Arkansas Cattlewomen Bootcamp. February 2024. Attendance = 25.
- *Backgrounding Cattle*. Arkansas Cattlewomen Bootcamp. February 2024. Attendance = 25.
- *Minerals and Their Importance*. Washington County Cattlemen's Meeting. February 2024. Attendance = 20.
- *Weaning Techniques in the Herd*. Agent Training Webinar Series: Beef Cattle Health. February 2024. Attendance = 25.
- *EPDS and Other Technologies*. River Valley Beef Conference. February 2024. Attendance = 35.
- *Weaning and Backgrounding Calves*. Miller County Cattlemen's Meeting. January 2024. Attendance = 25.
- *Handling Facilities and Their Importance*. Johnson County Cattle Handling Field Day. December 2023. Attendance = 20.
- *Matching Your Hay to the Herd*. Yell and Pope County Hay Show. December 2023. Attendance = 30.
- *Optimizing Efficiencies Through Multi Species Grazing*. Arkansas Farm Bureau State Convention. November 2023. Attendance = 30.
- *Winter is Coming- Are You Ready?* NCBA Winter Webinar. November 2023. Attendance= 200
- *Farm Finishing for Beef Cattle*. Arkansas Cattlemen's Association ACLC. November 2023. Attendance = 25
- *Stretching the Hay this Winter*. White County Production Meeting. October 2023. Attendance = 40
- *A Beef Cattle Career in Extension*. UofA Cattlemen's Association Meeting. October 2023. Attendance = 15.
- *Silage Feeding in the Beef Herd*. Calhoun County Cattlemen's Meeting. October 2023. Attendance = 20.
- *Weighing Your Options for Winter Feeding*. Faulkner County Cattlemen's Meeting. September 2023. Attendance = 65.
- *The Importance of a Controlled Breeding Season*. Quachita County Cattlemen's Meeting. September 2023. Attendance = 45.
- *Culling in the Herd*. Clay County Cattlemen's Meeting. September 2023. Attendance = 30.

- *Weighing Your Options for Winter Feeding. How to Improve Winter Livestock Nutrition-* Fulton County Production Meeting. September 2023. Attendance = 15.
- *Weaning and Backgrounding Calves.* Tennessee Master Beef Cattlemen’s Course. September 2023. Attendance = 250.
- *Pasture Planning for Winter Forages.* Calhoun County Cattlemen’s Meeting. August 2023. Attendance = 20.
- *Basic Beef Cattle and Show Calf Nutrition.* Drew County Livestock Clinic. July 2023. Attendance = 10.
- *Beef Cattle Weaning and Precondition Management.* Central Alabama, EV Smith Field Day. May 2023. Attendance = 30.
- *Beef Cattle Nutrition Basics.* ACES Women in Ag Workshop. April 2023. Attendance = 20.
- *Beef Cattle Weaning and Preconditioning Management.* Alabama Farmer’s Federation Beef and Forage Summit. January 2023. Attendance = 65.
- *Beef Cattle Research Importance and Updates.* Alabama Cattlemen’s Association YCLP Meeting. September 2022. Attendance = 35.
- *Beef Quality Assurance and Safe Handling.* Alabama Cattlemen’s Association Jr. Cattlemen’s Field Day. September 2022. Attendance = 60.
- *Cowboy Field Math.* ACES Grazing Academy. September 2022. Attendance = 30.
- *Equine Nutrition and Body Condition Scoring.* Auburn University Horse U. September 2022.
- *Cattle Nutrition in Times of Drought.* Tuskegee University Beef Cattle Short Course. September 2022. Attendance = 50.
- *Current State of the Beef Industry.* Chambers County Cattlemen’s Meeting. May 2022. Attendance = 25.
- *Proper Hay Sampling Techniques.* Southern SARE Forage Training. March 2022. Attendance = 45.
- *Beef Quality Assurance and Safe Handling.* Alabama Cattlemen’s Association Jr. Cattlemen’s Field Day. September 2021. Attendance = 50.
- *What Happens When My Hay has Failed?* Green County Cattlemen’s Meeting. October 2021. Attendance = 60.
- *Basic Beef Nutrition.* ACES Beef Systems Short Course. Fall 2021. Attendance = 15.
- *Weaning and Precondition Management.* Oneonta Production Meeting. October 2021. Attendance = 10.
- *Weaning and Precondition Management.* Scottsboro Production Meeting. October 2021. Attendance = 15.
- *Effects of Fescue Toxicosis on Post-Natal Calf Development.* Clemson University Simpson Research and Education Center Field Day. April 2019. Attendance = 25.
- *Impacts of Texel Genetics on Overall Lamb Growth and Carcass Composition.* Clemson University Simpson Research and Education Center Field Day. April 2019. Attendance = 25.

#### **Hosted/ Co-hosted Events**

- 2025 *Beyond the Fence: ARVEST Cattle Educational Series.*
- 2025 *KOMA Beef Cattle Conference.*
- *Tyson Beef Short Course.* November 2024. Attendance = 20.

- *2024 Arkansas Cattlemen's Leadership Class Beef Short Course*. November 2024. Attendance = 25.
- *2024 BQA Train the Trainer Agent Series*. Trainings = 3. August 2024. Attendance = 40.
- *2024 Agent Training Webinar Series: Beef Cattle Health*. Webinars = 7. February – December 2024
- *Asian Longhorn Tick Impact on Cattle Webinar*. July 2024. Attendance = 75.
- *Beef and Forage In-Service Agent Training*. April 2024. Attendance = 40.
- *Alliance for Grassland Renewal Tall Fescue Renovation Workshop*. March 2024. Attendance = 70.
- *2024 KOMA Beef Cattle Conference*. February 2024. Attendance = 100.
- *ACES Grazing Academy Meetings*. September 2022. Attendance = 20.
- *ACES Gulf Coast Cattlemen's Meeting*. August 2022. Attendance = 100.
- *Beef and Forage Field Day- Waverly Farms*. September 2021. Attendance = 20.
- *Alabama Bermudagrass Hay Summit- Virtual Meeting*. February 2021. Attendance = 35.
- *Animal Science and Forage Webinar Series- Virtual*. Webinars = 4. Fall 2020.

### **County Demonstrations**

- Cleburne County- Herd Size Impact- June 2024-Present.
- Faulkner County- Freezer Beef Efficiency and Profitability Tool- May 2024- Present.
- Faulkner County- Stocker Grazing Efficiency- February- June 2024.
- Polk County- Record Keeping- October 2024- Present.
- White County- Producer Bull Test- November 2024- Present.
- Yell County- Weaning Method Demonstration- October 2023- January 2024.

### **Extension Media**

- Agent Beef and Forage Monthly Newsletter. Issues = 8.
- Arkansas Beef Cattle Systems Facebook Page.

### **Interviews**

- Kepes, C. "The Cost of Raising Replacements." *Ozark Farm and Neighbor Magazine*. October 2024.
- Cato, S. "Invasive tick found in Boone County cattle, July 11 webinar to address concerns." *UADA News and Facts about Arkansas Agriculture*. July 2024.
- Nebraska Extension. "Different Methods of Weaning and the Impact to Cattle Health and Performance through Harvest." *UNL BeefWatch Podcast*. June 2024.
- Kepes, C. "Impact of Herd Health on Carcass Quality." *Ozark Farm and Neighbor Magazine*. March 2024.
- Thomas, H.S., "Customized Winter Nutrition for Cows." *Feed Lot Magazine*, Vol. 32, no. 1. January 2024.
- Hightower, M. "Congress mulls bills meant to help ranchers defend calves from vultures." *UADA News and Facts about Arkansas Agriculture*. January 2024.
- Kepes, C. "Is it Time to Cull." *Ozark Farm and Neighbor Magazine*. August 2023.
- Kepes, C. "Impacts of Hot, Dry Conditions on Breeding Cycles." *Ozark Farm and Neighbor Magazine*. August 2023.
- Hightower, M. "Dry weather patterns leave pastures thirsty; ranchers worried." *UADA News and Facts about Arkansas Agriculture*. June 2023.

## TEACHING EXPERIENCE

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### University of Arkansas

**Animal Science Career Preparation and Development:** Guest Lecturer

- Fall 2024- Fayetteville

**Introduction to Animal Science:** Guest Lecturer

- Fall 2024- Monticello

**Advanced Beef Cattle Production:** Guest Lecturer

- Fall 2024- Monticello

**Animal Science Career Preparation and Development:** Guest Lecturer

- Fall 2023- Fayetteville

### Auburn University

**Animal Science and Forage Team:** Student Intern

- Fall 2022

**Beef Cattle Production:** Guest Lecturer

- Fall 2022

**Equine Production and Management:** Graduate Teaching Assistant

- Spring 2022

**Introduction to Equine Care and Use:** Graduate Teaching Assistant

- Fall 2021

**Applied Animal Feeding and Nutrition:** Graduate Teaching Assistant

- Spring 2021

**Introduction to Animal Sciences:** Graduate Teaching Assistant

- Fall 2020

### Clemson University

**Animal Health:** Graduate Teaching Assistant

- Spring 2020

**Advanced Fetal Fescue Research:** Graduate Teaching Assistant

- Fall 2019

**Principles of Equine Evaluation:** Graduate Teaching Assistant

- Spring 2019

**Animal Welfare:** Graduate Teaching Assistant

- Spring 2019

**Animal Growth and Development:** Graduate Teaching Assistant

- Fall 2018

## STUDENT MENTORSHIP

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### *Graduate Student Mentorship*

#### Committee Chair

Student	Degree	Expected Completion
Carter Phillips	M. S.-Animal Science	Spring 2026

#### Committee Member

Student	Degree	Expected Completion
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Marie Goulais	M.S.-Animal Sciences	Fall 2025
Nathanial Moss	M.S.-Animal Sciences	Fall 2025

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## PROFESSIONAL MEMBERSHIPS

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- Alliance for Grassland Renewal, 2024-present
- American Forage and Grassland Council, 2019-present
- American Society of Animal Science, 2018-present
- Arkansas Cattlemen's Association, 2023-present
- Arkansas Forage and Grassland Council, 2023- present
- National Cattlemen's Association, 2017-present

## ACTIVITIES & SERVICE

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### Certifications

- Beef Quality Assurance

### Professional Associations & Societies

- 2024 Alliance for Grassland Renewal Arkansas Board Seat
- 2024 AFGC Student Activity Committee
- 2022-2024 ASAS- Southern Section Graduate Student Director

### Manuscript review

- Ad hoc reviewer
  - Applied Animal Science
  - Journal of Extension
  - Alabama Cooperative Extension Service
  - University of Arkansas Division of Agriculture

### University of Arkansas Division of Agriculture Service

- 2025 IACUC Committee- Alternate
- 2024 Search Committee for Ozark District Director
- 2024 Search Committee for Livestock and Forestry Research Station Director
- 2024 UADA Strategic Plan Writing Committee
- 2024 PEARS Review Committee
- 2024 UADA AIMS Review Committee
- 2023-present, Animal Science Faculty Awards Committee

### Professional Development

- 2023-present Division of Agriculture New Faculty Mentoring Program
- 2023- UADA Grant Writers' Seminar Workshop

## HONORS

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### Auburn University

- 2023 American Society of Animal Science Young Scholar
  - 2023 Outstanding Doctoral Student
  - 2022 Alabama Cattlemen's Foundation Graduate Student Scholarship
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- 2022 Alabama Beef Cattle Improvement Foundation Graduate Fellowship
- 2022 ASAS- Southern Section PhD Graduate Student Competition- 3<sup>rd</sup> Place
- 2021 Alabama Beef Cattle Improvement Foundation Graduate Fellowship

#### **Clemson University**

- 2020 College of Agriculture, Forestry and Life Science Outstanding Graduate Student
- 2019 CAFLS 3-Minute Thesis Award Finalist
- 2019 ASAS Perinatal Biology Symposium Trainee and Early Investigator Award
- 2018 AMSA Reciprocal Meat Conference Undergraduate Student Research Competition Award
- 2017 CAFLS Hampton A Whetsell III Scholar

# **S. Maggie Justice**

## **REFERENCES**

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