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### Education

Ph.D., Animal Science, Texas Tech University, 2007  
M.S., Animal Science, Oklahoma State University, 2000  
B.S., Animal Science, Oklahoma State University, 1998

### Professional Experience

2009 – present	Assistant Professor, The Noble Foundation
2008 – 2009	Livestock Consultant, The Noble Foundation
2007 – 2008	Post-doctoral Fellow, The Noble Foundation
2005 – 2007	Research Assistant, Texas Tech University
2000 – 2005	Livestock Specialist, The Noble Foundation
1998 – 2000	Research Assistant, Oklahoma State University
1999	Sales Intern, Elanco Animal Health
1997	Research Intern, USDA-ARS Grazinglands Research Lab

### Grants Received

1. “Motion-Based Diagnostic Tag for Animal Health Monitoring” – John Hassell, ZigBeef, LLC, and **Ryan Reuter**, The Noble Foundation, Oklahoma Applied Research Support, Oklahoma Center for the Advancement of Science and Technology. 2009. \$136,750.

### Publications - Refereed Journal Manuscripts

1. Carroll, J. A., **R. R. Reuter**, C. C. Chase, Jr., S. W. Coleman, D. G. Riley, D. E. Spiers, J. D. Arthington, and M. L. Galyean. 2009. Profile of the bovine acute-phase response following an intravenous bolus-dose lipopolysaccharide challenge. *Innate Immunity*. 15(2):81-89.
2. **Reuter, R. R.**, J. A. Carroll, J. W. Dailey, B. J. Cook, and M. L. Galyean. 2008. Effects of dietary energy source and level and injection of tilmicosin phosphate on immune function in lipopolysaccharide-challenged beef steers. *J. Anim. Sci.* 86:1963-1976.
3. Vasconcelos, J. T., R. J. Rathmann, **R. R. Reuter**, J. Leibovich, J. P. McMeniman, K. E. Hales, T. L. Covey, M. F. Miller, W. T. Nichols, and M. L. Galyean. 2008. Effects of

duration of zilpaterol hydrochloride feeding and days on the finishing diet on feedlot cattle performance and carcass traits. *J. Anim. Sci.* 86:2005-2015.

4. Selk, G. E., **R. R. Reuter**, and G. L. Kuhl. 2006. Using Growth-Promoting Implants in Stocker Cattle. *Vet. Clin. North Am Food Anim. Prac.* 22(2):435-449.
5. Hopkins, A. A., E. G. Krenzer, G. W. Horn, C. L. Goad, L. R. Redmon, D. D. Redfearn, and **R. R. Reuter**. 2003. Spring grazing reduces seed yield of cool season perennial grasses grown in Oklahoma. *Agron. J.* 95:855-862.
6. **Reuter, R. R.**, and G. W. Horn. 2002. Cool-season perennial grasses as complimentary forages to wheat pasture. *Professional Animal Scientist* 18:44-51.
7. Phillips, W. A., **R. R. Reuter**, M. A. Brown, J. Q. Fitch, S. R. Rao and H. Mayeux. 2002. Growth and performance of lambs fed a finishing diet containing either Alfalfa or Kenaf as the roughage source. *Small Ruminant Research*, 46(1):75-79.
8. Ackerman, C. J., H. T. Purvis II, G. W. Horn, S. I. Paisley, **R. R. Reuter**, and T. N. Bodine. 2001. Performance of light vs heavy steers grazing Plains Old World bluestem at three stocking rates. *J. Anim. Sci.* 79:493-499.

#### Invited Scientific Presentations

1. “Invited Paper: The role of crabgrass in southern forage systems” – Southern Section of American Society of Animal Science. Tulsa, OK. Feb 16, 2004.

#### Invited Extension Presentations

1. “Byproducts as Winter Cow Supplements” – Southwest Cow/calf Conference. Lawton, OK. December 4, 2009.
2. “Preconditioning Calves” – Delta Co. AgriLife Ext. Group. Cooper, TX. October 8, 2009.
3. “Beef Cattle Management Considerations” – Fannin Co. AgriLife Ext. Livestock Group. Bonham, TX. July 21, 2009.
4. “Implications of COOL for stocker producers” – Oklahoma Grain and Stocker Producers Annual Meeting. Lawton, OK. October 24, 2008.
5. “Development of an in-dwelling rectal temperature probe for cattle research.” – Animal Science Seminar AFS 5100 / Nutrition Section. Texas Tech Univ. Lubbock, TX. Feb 13, 2007.

6. "Sourcing Replacement Heifers" –Arkansas Farm Bureau Young Farmers and Ranchers Conference. Little Rock, AR. July 2005.
7. "Animal ID" – Oklahoma Tribal Council Annual Meeting. Shawnee, OK. April 2005.
8. "Stocker Nutrition 101" – Elanco / CattleDataSystems, Inc. joint client meeting. Stillwater, OK. March 2005.
9. "Animal ID" – Oklahoma Grain & Stocker Producers Annual Meeting, Enid, OK. Feb. 2005.
10. "Stocker Nutrition in Wheat Pasture Systems" – Noble County Cattlemen's Association meeting. Perry, OK. Jan 12, 2005.
11. "Preconditioning Breakdown" – NET-BIO Annual Meeting. Sulphur Springs, TX. Oct. 2004.
12. "Sire Evaluation Exercise - How to use EPDs" – Carter County Extension Early Spring Roundup. Overbrook, OK. Feb. 2004.
13. "Supplementing Winter Stockers" – Elanco client meeting. Walters, OK. 2004.
14. "Stocker Nutrition in Wheat Pasture Systems" – Elanco Veterinarian's Conference. Ft. Worth, TX. Aug 15, 2003.
15. "Managing Calving Seasons" – Kingfisher county producer group. Kingfisher, OK. April, 2003.

#### Scientific Presentations

1. "Efficacy of two metaphylactic antimicrobials in lightweight, high-risk stocker calves" – So. Sec., Amer. Soc. Anim. Sci. 2010.
2. "Interaction of Hay Nutritive Value and Byproduct Supplement in Growing Heifers." - So. Sec., Amer. Soc. Anim. Sci. 2009.
3. "Effects of Frame Size and Muscle Score on Stocker and Feeder Cattle Profitability." – Western Ag. Econ. Society, 2008.
4. "Relative value of five byproducts as supplements to stocker cattle." - So. Sec., Amer. Soc. Anim. Sci. 2008.
5. "Source and level of dietary energy influence responses to an endotoxin challenge in beef steers." - Plains Nutrition Council, 2007.

6. "Effect of an artificial sweetener and yeast product combination on immune function measurements, growth performance, and carcass characteristics of beef heifers." - So. Sec., Amer. Soc. Anim. Sci., 2007.
7. "Relationships among exit velocity, cortisol, and carcass characteristics of beef heifers." - So. Sec., Amer. Soc. Anim. Sci., 2007.
8. "Development of an automatic, indwelling rectal temperature probe for cattle research." - Amer. Soc. Anim. Sci., 2007
9. "Performance of lambs fed a finishing diet containing either alfalfa or kenaf as the roughage source." - Amer. Soc. Anim. Sci., 1998.

#### Publications – Abstracts

1. Biermacher, J.T., **R. Reuter**, M. Kering, J.D. Springer, T. Butler, J. Rogers, J. Blanton, Jr., and J. A. Guretzky. 2010. Economic Potential of Substituting Legumes for Nitrogen in Summer Stocker Grazing Systems. J. Ag. Resource Econ. (Abstr.) IN PRESS.
2. C. J. Schriefer, D. O. Alkire, and **R. R. Reuter**. 2010. Effects of pond location and watershed grazing management on water quality in Oklahoma and Texas. J. Anim Sci. (Suppl. ) (Abstr.) IN PRESS.
3. **Reuter, R. R.** and D. O. Alkire. 2010. Efficacy of two metaphylactic antimicrobials in lightweight, high-risk stocker calves. J. Anim Sci. (Suppl.) (Abstr.) IN PRESS.
4. Biermacher, J. T., **R. Reuter**, B. J. Cook, M. A. Islam, A. Hopkins, J. H. Bouton, and T. J. Butler. 2009. Economic Feasibility of Stocker Cattle Grazing Tall Fescue Infected with a Novel Endophyte in the Southern Great Plains of the USA. J. Anim Sci. 87 (Suppl. 2) 573. (Abstr.) <http://adsa.asas.org/meetings/2009/abstracts/0572.PDF>
5. Evans, J. K. and **R. R. Reuter\***. 2009. Interaction of Hay Nutritive Value and Byproduct Supplement in Growing Heifers. J. Anim Sci. 87 (Suppl. 3) 19 (Abstr.). [http://www.asas.org/abstracts/2009sectional/Supplement\\_3-1.pdf](http://www.asas.org/abstracts/2009sectional/Supplement_3-1.pdf)
6. Guretzky, J. A., **R. Reuter**, J.T. Biermacher, J. Springer, T. Butler, H. Aljoe, J. Rogers, and B.J. Cook. 2009. Economic potential of stocker cattle grazing legume-interseeded bermudagrass. J. Anim Sci. 87 (Suppl. 2) 573 (Abstr.) <http://adsa.asas.org/meetings/2009/abstracts/0572.PDF>
7. Guretzky, J. A., J. T. Beirmacher, **R. R. Reuter**, J. R. Blanton Jr., J. Mosali, M. Kering, and B. J. Cook. 2009. Utilization of Switchgrass in a Dual Purpose Stocker Cattle and

Bioenergy System. J. Anim Sci. 87 (Suppl. 2) 573 (Abstr.)

<http://adsa.asas.org/meetings/2009/abstracts/0572.PDF>

8. Biermacher, J.T., A.M. Islam, T. Butler, A. Hopkins, **R. Reuter**, B.J. Cook and J. Bouton. 2008. "Value of Tall Fescue Infected with a Novel Endophyte in the Winter Forage Stocker Grazing Enterprise." J. Ag. Resource Econ. 33 (Issue 3) 494 (Abstr.)
9. Carroll, J. A., J. D. Arthington, C. C. Chase, Jr., S. W. Coleman, D. G. Riley, D. E. Spiers, and **R. R. Reuter**. 2008. Genetic influences on the bovine acute phase protein response following an endotoxin challenge. J. Anim. Sci. 86(E-suppl 3):21. (Abstr.)
10. Leibovich, J., J. T. Vasconcelos, J. P. McMeniman, K. E. Hales, **R. R. Reuter**, R. J. Rathmann, and M. L. Galyean. 2008. Effects of corn processing method on performance and carcass characteristics of finishing beef cattle fed diets containing sorghum wet distiller's grains plus solubles. J. Anim. Sci. 86 (E-Suppl. 2): 477. (Abstr.)
11. **Reuter, R.**, D. Childs, J. Biermacher, and C. Ward. 2008. Effects of Frame Size and Muscle Score on Stocker and Feeder Cattle Profitability. J. Ag. Resource Econ. 33 (Issue 3) 498 (Abstr.)
12. Whitley, E. M., **R. R. Reuter\***, and J. T. Biermacher. 2008. Relative value of five byproducts as supplements to stocker cattle. J. Anim. Sci. 86 (E-Suppl. 2): 23. (Abstr.)
13. Carroll, J.A., C.C. Chase, Jr., S.W. Coleman, D. G. Riley, D. E. Spiers, J. W. Dailey and **R. R. Reuter**. 2007. Angus and Romosinuano steers exhibit differential acute phase response following an endotoxin challenge. J. Anim. Sci. 85 (Suppl. 2) 26 (Abstr.)
14. **Reuter, R. R.**, J. A. Carroll, and M. L. Galyean. 2007. Source and level of dietary energy influence responses to an endotoxin challenge in beef steers. Proceedings, Plains Nutrition Council, Texas A&M University Publication No. AREC 07-20, p.106.
15. **Reuter, R. R.**, J. A. Carroll, M. S. Brown, N. E. Forsberg, Y.-Q. Wang, R. Mock, J. D. Chapman, and M. L. Galyean. 2007. Effect of an artificial sweetener and yeast product combination on immune function measurements, growth performance, and carcass characteristics of beef heifers. J. Anim Sci. 85 (Suppl. 1) 370 (Abstr.)
16. **Reuter, R. R.**, J. W. Dailey, J. A. Carroll, M. S. Brown, and M. L. Galyean. 2007. Relationships among exit velocity, cortisol, and carcass characteristics of beef heifers. J. Anim Sci. 85 (Suppl. 1) 665 (Abstr.)
17. **Reuter, R. R.**, J.A. Carroll, J.W. Dailey, C.C. Chase, Jr., S.W. Coleman, D.G. Riley, D.E. Spiers, R.L. Weaber, and M.L. Galyean. 2007. Development of an automatic,

indwelling rectal temperature probe for cattle research. J. Anim. Sci. 85 (Suppl. 2) 12 (Abstr.)

18. **Reuter, R.**, W. A. Phillips, G. Q. Fitch, and M. A. Brown. 1998. Performance of lambs fed a finishing diet containing either alfalfa or kenaf as the roughage source. J. Anim Sci. 76 (Suppl. 1) 26 (Abstr.)

#### Publications – Book chapters

1. **Reuter, R.**, G. Highfill, and D. Lalman. 2004. Book Chapter: Implants and their use in beef cattle production. Chapter. Oklahoma Beef Cattle Manual, 4th Ed. Oklahoma Cooperative Extension Service. E-913. p. 237.

#### Publications – Research Reports

1. Leibovich, J., J. T. Vasconcelos, J. P. McMenemy, K. E. Hales, **R. R. Reuter**, R. J. Rathmann, and M. L. Galyean. 2008. Effects of corn processing method on performance and carcass characteristics of finishing beef cattle fed diets containing sorghum wet distiller's grains plus solubles. Burnett Center Internet Prog. Rep. No. 19, Texas Tech Univ.  
[http://www.depts.ttu.edu/afs/burnett\\_center/progress\\_reports/bc19.pdf](http://www.depts.ttu.edu/afs/burnett_center/progress_reports/bc19.pdf)
2. Vasconcelos, J. T., C. S. Abney, T. L. Covey, S. A. Keyser, J. P. McMenemy, R. J. Rathmann, **R. R. Reuter**, L. M. Shaw, and M. L. Galyean. 2006. Effects of the proportions of Sweet Bran® (wet corn gluten feed) and/or corn dried distiller's grains with solubles on performance and carcass characteristics of finishing beef cattle fed steam-flaked corn-based diets. Burnett Center Internet Prog. Rep. No. 18, Texas Tech Univ. [http://www.depts.ttu.edu/afs/burnett\\_center/progress\\_reports/bc18.pdf](http://www.depts.ttu.edu/afs/burnett_center/progress_reports/bc18.pdf)
3. Basurto, R., **R. Reuter**, P. Kircher, C. Ackerman, T. Bodine, H. Purvis II and G. W. Horn. 2000. Nutritive value of graze old world bluestem and tall grass prairie across the calendar year. Animal Science Research Report P-980. Oklahoma State University.
4. **Reuter, R. R.**, and G. W. Horn. 2000. Changes in growth performance of steers and nutritive value of wheat pasture from fall/winter grazing to graze-out. Animal Science Research Report P-980. Oklahoma State University.
5. Ackerman, C.J., G.W. Horn, H.T. Purvis II, S.I. Paisley, **R. R. Reuter**, and T.N. Bodine. 1999. Light vs. heavy weight steers grazing Old World Bluestem at three stocking rates. I. Cattle performance and economic analysis. Animal Science Research Report P-973. Oklahoma State University.
6. Ackerman, C.J., G.W. Horn, H.T. Purvis II, S.I. Paisley, **R. R. Reuter**, and T.N. Bodine. 1999. Light vs. heavy weight steers grazing Old World Bluestem at three stocking

rates. II. Nutritive value, forage intake, and grazing time. Animal Science Research Report P-973. Oklahoma State University.

7. **Reuter, R. R.**, G. W. Horn, C.J. Ackerman, and J.N. Carter. 1999. Performance of steers grazing cool-season perennial grasses. Animal Science Research Report P-973. Oklahoma State University.

#### Publications – Thesis/dissertation

1. **Reuter, R. R.** 2007. Nutritional modulation of the immune system of beef cattle. Ph.D. Dissertation. Texas Tech University.
2. **Reuter, R. R.** 2000. Grazing cool-season perennial grasses and changes in nutritive value of three forage types in the southern Great Plains. M.S. Thesis. Oklahoma State University.

#### Publications – Other

Over 20 Noble Foundation newsletter articles and fact sheets; many being reprinted in popular press publications and list serves.

[http://www.noble.org/ag/staff/profile/reuter\\_ryan.html](http://www.noble.org/ag/staff/profile/reuter_ryan.html)

#### Presentations – Other

**Summary: 30 presentations to 630 people, 94% satisfied**

1. “Igenity Profile results from IBeef cattle” – seminar for Irish Nuffield Scholar William Haire. Oct 12, 2009.
2. “Stocker Cattle Health” – NF Field Day. Sept. 17, 2009.
3. “Stocker Cattle Health” – NF Stocker Seminar. July 14, 2009. 70 participants, 95% satisfied.
4. “Basic Cattle School” – Noble Foundation event. 28 participants, 90% satisfied.
5. “Co-mingling Project Results” – Nov. 14, 2008 – Noble Foundation event. 34 participants, 91% satisfied.
6. “Country of Origin Labeling Overview” – Oct 23, 2008. Noble Foundation event. 26 participants, 92% satisfied.
7. “Bull Cost vs. Bull Value” – April 19, 2005. Noble Foundation Event. 37 participants, 100% satisfied.

8. "Livestock Topics" – June 16, 2005. Noble Foundation Event - AgVenture. 22 participants, 82% satisfied.
9. "Hay Testing and Supplements" – Mar 3, 2005. Noble Foundation Event. 11 participants, 100% satisfied.
10. "Across-breed EPDs" – Feb 17, 2005. Noble Foundation Event. 28 participants, 96% satisfied.
11. "Hay Testing and Supplements" – Feb 15, 2005. Noble Foundation Event. 4 participants, 100% satisfied.
12. "Hay Testing and Supplements" – Dec 9, 2004. Noble Foundation Event. 36 participants, 97% satisfied.
13. "Ration Balancing Exercise" – Oct 7, 2004. Noble Foundation Event. 43 participants, 98% satisfied.
14. "Livestock Topics" – June 15, 2004. Noble Foundation Event - AgVenture. 23 participants, 87% satisfied.
15. "Across-breed EPDs" – Feb 19, 2004. Noble Foundation Event. 14 participants, 100% satisfied.
16. "What Implants and When" – Dec 4, 2003. Noble Foundation Event. 10 participants, 100% satisfied.
17. "Stocker Cattle Management" – Oct 14, 2003. Noble Foundation Event. 16 participants, 94% satisfied.
18. "Stocker Cattle Purchasing Considerations" – July 15, 2003. Noble Foundation Event. 22 participants, 100% satisfied.
19. "Livestock Topics" – June 3, 2003. Noble Foundation Event - AgVenture. 17 participants, 100% satisfied.
20. "Hay Feeding Systems" – March 13, 2003. Noble Foundation Event. 27 participants, 100% satisfied.
21. "Cattle Breeding Systems" – Feb. 12, 2003. Noble Foundation Event. 15 participants, 100% satisfied.
22. "Stocker Cattle Management" – Oct 24, 2002. Noble Foundation Event. 10 participants, 100% satisfied.

23. “2 Lazy 2 Ranch Case Study: Stocker Receiving & Health” – July 16, 2002. Noble Foundation Event. 30 participants, 90% satisfied. “Reuter’s presentation will stand out in my mind due to his method of presentation.” – comment from participant
24. “Stocker Receiving Programs” – Oct 24, 2001. Noble Foundation event. 20 participants, 100% satisfied.
25. “Calf Nutrition” – Aug 16, 2001. Noble Foundation event. 25 participants, 100% satisfied.
26. “Retained Ownership Program Feedyard Performance” – Aug 16, 2001. Noble Foundation event. 19 participants, 89% satisfied.
27. “BQA Injection Sites & Vaccine Handling” – Apr 18, 2001. Noble Foundation event. 15 participants, 100% satisfied.
28. “Post-calving Body Condition Scoring” – Apr 18, 2001. Noble Foundation event. 15 participants, 100% satisfied.
29. “Feeding Stockers on Grass” – Apr 18, 2001. Noble Foundation event. 15 participants, 100% satisfied.
30. “Body Condition Scoring and Cow Reproduction” – Feb 20, 2001. Noble Foundation event. 26 participants, 100% satisfied.

#### Presentations – Noble Foundation Tours

#### **Summary: 34 tours to > 750 people**

1. “Byproduct Feed Research at the Noble Foundation” – Nov. 5, 2009. Noble Foundation tour for Franklin Co., KY Cattlemens’ group. 10 people.
2. “Overview of Switchgrass Research at the Noble Foundation” – Oct. 19, 2009. Noble Foundation tour for Dr. Glaucia Souza, Eisenhower Fellow and Associate Professor, University of São Paulo, Brazil. 2 people.
3. “Overview of Oswalt Ranch Cattle Facility” – Oct. 12, 2009. Noble Foundation tour for William Haire, Nuffield Scholar and Hereford breeder from Northern Ireland. 2 people.
4. “Overview of Ag Research Forage and Cattle Projects” – Oct. 6, 2009. Noble Foundation tour for Dr. Vern Baron, AgriFood-Canada. 2 people.
5. “Overview of Oswalt Ranch and Byproduct Research” – Oct. 1, 2009. Noble Foundation tour for Prairie View A&M group. 14 people, 93% satisfied.

6. "Overview of NF cattle operations" – Sept. 3, 2009. Noble Foundation tour for Nuffield Scholar Rob Bradley. 3 people.
7. "Overview of Oswalt Ranch" – Nov 6, 2008, Noble Foundation tour for Oklahoma Ag Leadership Program, 27 attendees, 100 % satisfied
8. "Cattle management technology and byproduct feeding programs" – Oct 17, 2008, Noble Foundation tour for East Texas Ag Producers, 34 attendees, 100% satisfied
9. "Cattle management technology, byproduct feeding programs, and cow genetics" – Sept. 24, 2008, Noble Foundation tour for Eastern Texas Ag Agents, 22 attendees, 99% satisfied.
10. "Cattle management technology, byproduct feeding programs, and cow genetics" – Sept. 23, 2008, Noble Foundation tour for Western Texas Ag Agents, 8 attendees, 88% satisfied.
11. "Noble Foundation Cattle programs" – Sept. 12, 2008, Noble Foundation tour for Croplan Genetics Forage program, 7 attendees
12. "Cattle Management Technology" – June 4, 2008 Noble Foundation AgVenture program, 24 attendees
13. "Cattle Management Technology" & "Byproduct Feeds Comparison" – May 15, 2008, Noble Foundation Oswalt Field Day, 75 attendees
14. "Cattle Management Technology" – May 12, 2008, Noble Foundation Tour for Moore FFA, 25 attendees
15. "Cow Herd Genetics / Cattle Technology" – April 16, 2008, Noble Foundation tour for Texas Ag Ext. Agents, 11 attendees, 100% satisfied.
16. "Beef Quality Assurance" – March 13, 2008, Noble Foundation client training, 12 attendees, 100% satisfied.
17. "Cows and the Environment" – December 17, 2007, Noble Foundation tour for Davis 6th grade, 75 attendees
18. "Animal ID / Lightweight Stocker Management" – June 23, 2005. Noble Foundation tour for Lamar/Red River Co. Group. 25 attendees, 99% satisfied.
19. "Animal ID / Lightweight Stocker Management" – June 23, 2005. Noble Foundation tour for Lamar/Red River Co. Group. 25 attendees, 99% satisfied.

20. "Animal ID / Lightweight Stocker Management / Fall Calving Cows" – May 10, 2005. Noble Foundation tour for Lamar/Red River Co. Group. 42 attendees, 98% satisfied.
21. "Fall-calving Cows and Stocker Cattle Management/EID" – April 20, 2005. Noble Foundation tour for TCU Ranch Management Class. 18 attendees, 94% satisfied.
22. "Cattle Management Considerations" – March 12, 2005. Noble Foundation tour for Hughes Co. Cattlemen. 16 attendees, 94% satisfied.
23. "Managing Fall-calving Cows" – June 25, 2004. Noble Foundation tour for Inter. Brangus Breeders Group. 12 attendees, 83% satisfied.
24. "Fall-calving Cows and Bull Management" – June 22, 2004. Noble Foundation tour for Fannin Co. Group. 36 attendees, 92% satisfied.
25. "Fall-calving Cows and Cow Management" – May 11, 2004. Noble Foundation tour for Harrison Co. Group. 6 attendees, 100% satisfied.
26. "Fall-calving Cows and Cow Management" – April 21, 2004. Noble Foundation tour for TCU Ranch Management Class. 23 attendees, 96% satisfied.
27. "Cow-calf Management at the Noble Foundation" – Jan 8, 2004. Noble Foundation tour for Ok Ag Leadership Class, 14 attendees, 100% very satisfied.
28. "Creep Grazing and Cow Herd Management" – Dec 4, 2003, Noble Foundation tour for NF4 cooperators, 8 attendees, 100% very satisfied.
29. "Cow-Calf & Stocker Management" – Nov 20, 2003, Noble Foundation tour for Kaufman Co. Cattlemen Group, 17 attendees, 100% satisfied.
30. "Cattle Management Strategies" – Oct 28, 2003, Noble Foundation tour for Missouri NRCS, 21 attendees, 95% satisfied.
31. Several topics, I also planned and implemented this whole tour/educational event – Sept. 22, 2003. Noble Foundation tour / educ. event for NF4 cooperators, 12 attendees, 91% satisfied.
32. "Cow/calf Management at the Noble Foundation" – Mar. 28, 2003, Noble Foundation tour for TCU Ranch Management School, 29 attendees, 93% satisfied.
33. "Grazeout Cattle Management" – Feb 13, 2003, Noble Foundation tour for NF4 Cooperators. 9 attendees, 100% satisfied.

34. "Controlled Rotational Grazing Unit Cattle Management" – Mar 22, 2001. Noble Foundation tour for the College of the Ozarks. 18 participants, 61% satisfied.
35. "Cattle Management Topics" – June 5, 2001. Noble Foundation Ag Venture Program. 24 participants, 96% satisfied.

#### Education and Outreach Programs

1. Basic Cattle School – planned and implemented a two-day school/field day focused on beginning cattle producers.

#### Licenses / Certifications

Professional Animal Scientist, American Registry of Professional Animal Scientists  
Certified Oklahoma Beef Quality Assurance Trainer  
Certified in Beef Quality Assurance  
Certified Master of Beef Advocate – NCBA

#### Professional Affiliations

American Society of Animal Science  
American Registry of Professional Animal Scientists  
Texas Cattle Feeders Association  
National Cattlemen's Beef Association  
Oklahoma Cattlemen's Association  
American Quarter Horse Association

#### Conferences Attended

Kansas State Univ. Stocker Conference – Sept. 24, 2009, Manhattan, KS.  
Kansas State Univ. Career Fair – Sept. 23, 2009, Manhattan, KS.  
Toured Texas A&M Research Station at Overton – Sept. 10, 2009, Overton, TX.  
OQBN Overbrook sale organizational meeting – Aug. 24, 2009, Lone Grove, OK.  
Oklahoma State Univ. Master Cattlemen Seminar – Aug 13-14, 2009, Stillwater, OK.  
Southern Plains Beef Symposium – Aug 8, 2009, Ardmore, OK.  
NCBA Beef Advocacy Training – Aug 7, 2009, Ardmore, OK.  
National BRD Symposium – Aug 4-6, 2009, Colorado Springs, CO.  
Oklahoma Cattlemen's Association convention – July 24, 2009, Oklahoma City, OK.

#### Professional Service

2008-2009 Veterinary Technology program advisory committee – OSU-OKC  
Oklahoma Grain and Stocker Producers Association – steering committee  
2008 Southwestern Wheat Research and Education Consortium steering committee  
Southern Plains Beef Symposium Committee – 2000 to 2005, 2008 - present  
NF Junior Beef Excellence Program Committee – 2000 to 2005, 2008 - present

#### References

Available upon request