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EDUCATION

Ph.D. Animal Science, University of Kentucky, 1998
M.S. Animal Science, Angelo State University, 1994
B.S. Animal Science, Angelo State University, 1990

ACADEMIC POSITIONS

Professor, Eastern Oregon Agricultural Research Center, Department of Animal Sciences, Oregon State University, 2016 to present
Associate Professor, Eastern Oregon Agricultural Research Center, Department of Animal Sciences, Oregon State University, 2004 to 2016
Assistant Professor, Eastern Oregon Agricultural Research Center, Department of Animal Sciences, Oregon State University, 1998 to 2004
Graduate Research Assistant, University of Kentucky, 1994 to 1998
Graduate Research Assistant, Angelo State University, 1992 to 1994

ADMINISTRATIVE POSITIONS

Director, Eastern Oregon Agricultural Research Center – Burns & Union Stations, Oregon State University, 2016 to present
Director, Eastern Oregon Agricultural Research Center – Burns Station, College of Agricultural Sciences, Oregon State University, 2012 to 2016
Assistant Superintendent, Eastern Oregon Agricultural Research Center (Burns & Union stations), College of Agricultural Sciences, Oregon State University, 2006 to 2012
Interim Assistant Superintendent, Eastern Oregon Agricultural Research Center (Burns & Union stations), College of Agricultural Sciences, Oregon State University, 2004 to 2006

Presentations as Invited Speaker

Local (Oregon)

128. Meadow Creek Cattle Data: Observations from Year 1; *In: Pacific Northwest Section, Society for Range Management 2018 Summer Meeting, La Grande, OR (June 28, 2018; 35 participants)*
127. Cattle Grazing and Salmonid Recovery; *In: PNW Section, Society for Range Management Tour of Starkey Experimental Forest & Range, Starkey, OR (June 27, 2018; 75 participants)*
126. Meadow Creek Cattle Data: Observations from Year 1; *In: 2018 OSU/EOARC Range Field Day – From Valleys to Ridgetops, La Grande, OR (June 26, 2018; 55 participants)*
125. Livestock Interactions on the Land; *In: 2018 High Desert Youth Range Camp, Riley, OR (June 13-16, 2018; 16 participants)*
124. Eastern Oregon Agricultural Research Center; *In: City of Eugene Recreation Department Senior Tour, Burns, OR (June, 5, 2018; 11 participants)*
123. Eastern Oregon Agricultural Research Center – History & Overview of Programs; *In: AnRs Departmental Seminar, Corvallis, OR (May 23, 2018; 7 participants)*

122. OSU and the Eastern Oregon Agricultural Research Center; *In: Oregon Cattlewomen's Ranch Tour, Burns, OR (May 18, 2018; 12 participants)*
121. Eastern Oregon Agricultural Research Center – History & Overview of Programs; *In: 2018 OAEA Spring Meeting, Professional Improvement Conference & Tour, Ontario, OR (April 17, 2018; 35 participants)*
120. OSU and the Eastern Oregon Agricultural Research Center; *In: John Scharff Migratory Bird Festival Ranch Tour, Riley, OR (April 7, 2018; 12 participants)*
119. Supplementation and Sustainable Grazing Systems; *In: Grant County Extension Open House, John Day, OR (January 26, 2018; 10 participants)*
118. Nutrition of Gestating Cows; *In: Grant County Stock Growers Annual Meeting, John day, OR (December 16, 2017; 45 participants)*
117. Flood Meadows, Livestock, and Wildlife – Past and Future; *In: Harney Basin Wetlands initiative: Fair in the Field, Burns, OR (April 7, 2017; 50 students)*
116. Addressing Challenges to Livestock Production in the Great Basin; *In: Burns FFA Agricultural Program – Guest Lecture, Burns, OR (November 14, 2016; 18 students)*
115. OSU Research & Extension Programs at the Eastern Oregon Agricultural Research Center, Burns; *In: OSU Steer-a-Year Class Tour, Burns, OR (November 13, 2016; 22 participants)*
114. Supplementation and Sustainable Grazing Systems; *In: Cattleman's College; Oregon Cattleman's Association Annual Meeting, Bend, OR (November 10, 2016; 75 participants)*
113. Grazing in the Great Basin; *In: Oregon Master Naturalist Program – Northern Basin and Range Ecoregion Course, Eastern Oregon Agricultural Research Center, Burns, OR (August 31, 2016; 10 participants)*
112. The Great Basin – A Little Background; *In: Oregon Master Naturalist Program – Northern Basin and Range Ecoregion Course, Malheur Field Station, Burns, OR (August 30, 2016; 10 participants)*
111. OSU Research & Extension Programs at the Eastern Oregon Agricultural Research Center, Burns; *In: USDA-ARS Weeds Program, NP304, Leader (Rosalind James) Tour of EOARC. Burns, OR (August 22-23, 2016; 20 participants)*
110. OSU Research & Extension Programs at the Eastern Oregon Agricultural Research Center, Burns; *In: Oregon Cattlemen's Association Mid-Year Meeting. Sunriver, OR (May 22-24, 2016; 50 participants)*
109. OSU Research and Extension Programs at EOARC Burns; *In: University of Idaho Undergraduate Rangeland Class, Instructor: Karen Launchbaugh, Burns, OR (April 14, 2016; 18 participants)*
108. OSU and the Eastern Oregon Agricultural Research Center; *In: John Scharff Migratory Bird Festival Ranch Tour, Burns, OR (April 9, 2016; 20 participants)*
107. Research Study: Supplementing Trace Minerals to Pregnant Beef Cows; *In: Purina's The Path to Profit is paved with Great Nutrition Central Oregon Tour, John Day, OR (March 23, 2016; 35 participants)*
106. Research Study: Supplementing Trace Minerals to Pregnant Beef Cows; *In: Purina's The Path to Profit is paved with Great Nutrition Central Oregon Tour, Burns, OR (March 22, 2016; 35 participants)*
105. Research Study: Supplementing Trace Minerals to Pregnant Beef Cows; *In: Purina's The Path to Profit is paved with Great Nutrition Central Oregon Tour, Prineville, OR (March 21, 2016; 45 participants)*
104. OSU and the Eastern Oregon Agricultural Research Center; *In: Silvies River Charter School Ranch Tour, Burns, OR (March 18, 2016; 35 participants)*
103. Careers in Agriculture; *In: Silvies River Charter School Ranch Tour, Burns, OR (March 18, 2016; 35 participants)*

102. Using the OSU Across-Breed EPD Calculator; *In: 2015 OSU Beef Industry Tour - Reproductive Management and Genetics of Beef Cattle, Springfield, OR (Dec. 10, 2015; 30 participants)*
101. Using the OSU Across-Breed EPD Calculator; *In: 2015 OSU Beef Industry Tour - Reproductive Management and Genetics of Beef Cattle, Medford, OR (Dec. 9, 2015; 32 participants)*
100. Using the OSU Across-Breed EPD Calculator; *In: 2015 OSU Beef Industry Tour - Reproductive Management and Genetics of Beef Cattle, Prineville, OR (Dec. 8, 2015; 26 participants)*
99. Using the OSU Across-Breed EPD Calculator; *In: 2015 OSU Beef Industry Tour - Reproductive Management and Genetics of Beef Cattle, Baker City, OR (Dec. 7, 2015; 36 participants)*
98. Management Strategies to address cow nutrient requirements; *In: Southworth Ranch & Country Natural Beef Nutritional Workshop, Seneca, OR (November 16, 2015; 35 participants)*
97. Livestock Interactions on the Land; *In: 2015 High Desert Youth Range Camp, Riley, OR (June 24-27, 2015; 23 participants)*
96. Ok really now, what does a cow eat?; *In: 2015 High Desert Youth Range Camp, Riley, OR (June 24-27, 2015; 23 participants)*
95. OSU and the Eastern Oregon Agricultural Research Center; *In: Burns Paiute Tribe Youth Tour Burns, OR (May 1, 2015; 20 participants)*
94. OSU and the Eastern Oregon Agricultural Research Center; *In: John Scharff Migratory Bird Festival Ranch Tour, Burns, OR (April 11, 2015; 18 participants)*
93. Supplementation of Beef Cattle on Pasture; *In: Oregon Forage and Grasslands Council Spring Conference, Corvallis, OR (March 14, 2015; approximately 50 participants)*
92. Use of EPDs and the Across-Breed EPD Calculator; *In: Grant County Stockgrower's Association Meeting, John Day, OR (February 12, 2015; 43 participants)*
91. Nutritional Management Strategies for Efficient Beef Production in Rangeland Environments; *In: Malheur County Cattlemen's Meeting, Ontario, OR (February 11, 2015; approximately 120 participants)*
90. Use of EPDs and the Across-Breed EPD Calculator; *In: Klamath Falls Bull and Horse Sale, Klamath Falls, OR (February 6, 2015; 32 participants)*
89. OSU and the Eastern Oregon Agricultural Research Center; *In: John Scharff Migratory Bird Festival Ranch Tour, Burns, OR (April 12, 2014; 15 participants)*
88. Oregon State University and EOARC-Burns – Research, Outreach, & Ruminant Nutrition; *In: Riley 4H Club Meeting; Burns, OR (March 24, 2014; 16 participants)*
87. Supplementation Strategies to Improve Performance and Grazing Distribution; *In: North Central Livestock Annual Meeting, Maupin, OR (Feb. 15, 2014; 51 participants)*
86. Oregon State University and EOARC-Burns – Research and Outreach; *In: Eastern Oregon Agricultural Tour. Oregon State Representatives Brad Witt and Lou Frederick and Senator Ted Ferrioli. Organized by the Oregon Cattlemen's Association and Oregon Cattlewomen's Association. Burns, OR (December 18, 2013; 20 participants)*
85. Energy and Protein Supplementation for Cow-Calf Systems; *In: 2013 OSU Beef Industry Tour - Nutrition and Health Management for Cow-Calf Operations, Corvallis, OR (Dec. 12, 2013; 24 participants)*
84. Energy and Protein Supplementation for Cow-Calf Systems; *In: 2013 OSU Beef Industry Tour - Nutrition and Health Management for Cow-Calf Operations, Klamath Falls, OR (Dec. 11, 2013; 30 participants)*
83. Energy and Protein Supplementation for Cow-Calf Systems; *In: 2013 OSU Beef Industry Tour - Nutrition and Health Management for Cow-Calf Operations, The Dalles, OR (Dec. 10, 2013; 35 participants)*

82. Energy and Protein Supplementation for Cow-Calf Systems; *In: 2013 OSU Beef Industry Tour - Nutrition and Health Management for Cow-Calf Operations, Fossil, OR (Dec. 12, 2013; 60 participants)*
81. Oregon Beef Quality Assurance; *In: Cattleman's College at the Oregon Cattleman's Association Annual Meeting, Bend, OR (Dec. 5, 2013; approximately 55 participants)*
80. EOARC-Burns Beef Research and Facilities; *In: OSU Steer-A-Year Meeting, Burns, OR (April 19, 2013; 12 participants)*
79. OSU and the Eastern Oregon Agricultural Research Center; *In: John Scharff Migratory Bird Festival Ranch Tour, Burns, OR (April 13, 2013; 17 participants)*
78. Nutritional and Management Strategies to Prevent Calving Problems; *In: Silvies Valley Ranch Calving School, Silvies Valley, OR (April 6, 2013; 30 participants)*
77. Feeding Market Steers and Market Lambs for Fair; *In: Harney County 4H Club Meeting, Burns, OR (February 4, 2013; 16 participants)*
76. OSU and the Eastern Oregon Agricultural Research Center; *In: John Scharff Migratory Bird Festival Ranch Tour, Burns, OR (April 14, 2012; 16 participants)*
75. Fetal Pig Dissection and Identification; *In: Burns High School Anatomy/Physiology Class, Burns, OR (April 18, 2011; 25 participants)*
74. Gestational Nutrition and Management of Beef Cows; *In: 2012 Alltech/Wilbur Ellis/Pfizer Cattlemen's Workshop, Burns, OR (1/11/12; 33 participants)*
73. Nutritional Strategies to Enhance Reproduction in Beef Females; *In: 2011 OSU Beef Industry Tour - New Concepts and Sustainable Approaches on Reproductive Management and Genetics of Beef Cattle, Albany, OR (Dec. 9, 2011; 73 participants)*
72. Nutritional Strategies to Enhance Reproduction in Beef Females; *In: 2011 OSU Beef Industry Tour - New Concepts and Sustainable Approaches on Reproductive Management and Genetics of Beef Cattle, Roseburg, OR (Dec. 8, 2011; 74 participants)*
71. Nutritional Strategies to Enhance Reproduction in Beef Females; *In: 2011 OSU Beef Industry Tour - New Concepts and Sustainable Approaches on Reproductive Management and Genetics of Beef Cattle, Prineville, OR (Dec. 7, 2011; 42 participants)*
70. Nutritional Strategies to Enhance Reproduction in Beef Females; *In: 2011 OSU Beef Industry Tour - New Concepts and Sustainable Approaches on Reproductive Management and Genetics of Beef Cattle, Burns, OR (Dec. 6, 2011; 21 participants)*
69. Nutritional Strategies to Enhance Reproduction in Beef Females; *In: 2011 OSU Beef Industry Tour - New Concepts and Sustainable Approaches on Reproductive Management and Genetics of Beef Cattle, Baker City, OR (Dec. 5, 2011; 32 participants)*
68. Cattle temperament and its impacts on beef production; *In: OSU Extension day at the Oregon State Fair, Salem, OR (Sept, 3, 2011; approximately 50 participants)*
67. Research and Extension Projects at EOARC Burns; *In: 1st Annual Ag Day, Agricultural Program at Eastern Oregon University, La Grande, OR (May 17, 2011; 100 attendees)*
66. OSU and the Eastern Oregon Agricultural Research Center; *In: John Scharff Migratory Bird Festival Ranch Tour, Burns, OR (April 9, 2011; 16 participants)*
65. Forage Quality on Western Rangelands; *In: Integrated Resource Management Short Course – OSU Veterinary Agricultural Animal Club, Corvallis, OR (April 2, 2011; 31 participants)*
64. Supplementation Strategies for the Intermountain West; *In: Integrated Resource Management Short Course – OSU Veterinary Agricultural Animal Club, Corvallis, OR (April 2, 2011; 31 participants)*
63. The State Of Agriculture in Harney County – 2011; *In: Harney County - Annual State of County & Cities Address, Burns, OR (February 2, 2011; 80 attendees)*

62. Beef Cattle Nutrition and Management; *In: Central Oregon Forage Seminar; Prineville, OR (January 29, 2011; 60 participants)*
61. Update on Endophyte-Related Cattle Losses; *In: Oregon Seed Growers League Annual Meeting; Portland, OR (December 10, 2002; 400 participants)*
60. Assessing Mineral Status in Ruminants; *In: Livestock Mineral Nutrition Symposium presented by Coos County Extension Service; Myrtle Point, OR (November 15, 2010; approximately 50 participants)*
59. EOARC Beef Research; *In: Burns FFA Meeting, Burns, OR (November 10, 2010; 28 participants)*
58. Gestational Nutrition and Management; *In: 2nd Annual Conference on "Profitability through Genetic and Management Improvement" hosted by Bar CK Cattle Company; Culver, OR (August 28, 2010; 100 participants)*
57. Sheep Nutrition; *In: Burns FFA Meeting, Burns, OR (June, 8, 2010; 22 participants)*
56. Beef Cattle Research Program at EOARC; *In: Burns FFA Meeting, Burns, OR (June, 2, 2010; 22 participants)*
55. OSU and the Eastern Oregon Agricultural Research Center; *In: John Scharff Migratory Bird Festival Ranch Tour, Burns, OR (April 10, 2010; 17 participants)*
54. Nutritional Management of Beef Cows; *In: OSU Veterinary Medicine Agriculture Club, Corvallis, OR (Nov. 30, 2009; 27 participants)*
53. Considerations for Crude Protein Supplementation of Low Quality Forages; *In: First Annual Conference on "Profitability through Genetic and Management Improvement" hosted by Bar CK Cattle Company; Culver, OR (August 22, 2009; 80 participants)*
52. State of Agriculture in Harney County – 2009; *In: Harney County Farm Bureau Annual Meeting, Burns, OR (March 17, 2009; 50 participants)*
51. Balancing Diets; *In: Harney County 4-H Meeting, Burns, OR (March 16, 2009; 18 participants)*
50. Market Pig Management; *In: Harney County 4-H Meeting, Burns, OR (March 16, 2009; 18 participants)*
49. Cow Herd Record Keeping; *In: Comprehensive Ranch Management Planning, Southworth Ranch; Seneca, OR (Feb. 11, 2009; 45 participants)*
48. Winter Feed Costs Forum; *In: 35th Annual Hermiston Farm Fair & Trade Show, Hermiston, OR (December 3, 2008; 25 participants)*
47. Incorporating Grazing into Calf Weaning and Preconditioning Programs; *In: Cattleman's College at the 2008 Oregon Cattleman's Association Annual Meeting, Redmond, OR (November 6, 2008; 150 participants).*
46. History of the OSU Program at EOARC; *In: John Scharff Migratory Bird Festival Ranch Tour, Burns, OR (April 5, 2008; 18 participants)*
45. Overview of Scientists and Research Programs at EOARC-Burns & Demonstration of Cowculator; *In: Malheur County Cattleman's Meeting, Jordan Valley, OR (January 24, 2008; 50 participants)*
44. Optimizing Winter Feed Costs: Meeting your Cows Nutritional Requirements; *In: 34th Annual Hermiston Farm Fair & Trade Show, Hermiston, OR (November 28, 2007; 25 participants)*
43. Demonstration of "Cowculator" Ration Balancing Software; *In: 34th Annual Hermiston Farm Fair & Trade Show, Hermiston, OR (November 28, 2007; 25 participants)*
42. Nutritional Management Strategies for Intermountain Beef Producers; *In: Veterinary Medicine/ Animal Sciences seminar series, Corvallis, OR (November 5, 2007; 35 participants)*
41. Cost Effective Winter Feeding; *In: Cattleman's College at the 2007 Oregon Cattleman's Association Annual Meeting, Redmond, OR (November 1, 2007; 80 participants)*
40. Early Weaning – How Can I Make it Work?; *In: Weaning and Preconditioning Program – Prineville, OR (July 31, 2007; 50 participants)*

39. History of the OSU Program at EOARC; *In: John Scharff Migratory Bird Festival Ranch Tour, Burns, OR (April 14, 2007; 15 participants)*
38. Beef Production in the Intermountain West; *In: OSU Young Cattlemen's Association Meeting, Burns, OR (June 3, 2006; 15 participants)*
37. Education – Where can it lead you?; *In: Burns High School Career Advancement class, Burns, OR (May 23, 2006; 27 participants)*
36. Management Strategies for Use of High-Alkaloid Grass Seed Straw by Ruminants; *In: Crop & Soil Science Seminar, Oregon State University (May 22, 2006; 30 participants)*
35. History of the OSU Program at EOARC; *In: John Scharff Migratory Bird Festival Ranch Tour, Burns, OR (April 8, 2006; 13 participants)*
34. Beef Production in Oregon; *In: Confederated Tribes of the Umatilla Indian Reservation and the Tücham Soil and Water Conservation District – Cattle Feasibility Study Workshop, La Grande, OR (Feb. 2006; 20 participants)*
33. EOARC Research and extension Programs; *In: Burns High School FFA Animal Science Class, Burns, OR (Feb. 2006; 26 participants)*
32. Oregon State University and the Eastern Oregon Agricultural Research Center; *In: Lion's Club Meeting, Burns, OR (December 12, 2005; 30 participants)*
31. Beef Production in the Intermountain West; *In: OSU Young Cattlemen's Association Meeting, Burns, OR (May 2005; 13 participants)*
30. Overview of Research at the Eastern Oregon Agricultural Research Center; *In: John Scharff Migratory Bird Festival Ranch Tour, Burns, OR (April 2, 2005; 17 participants)*
29. Beef Cattle Nutrition and Ration Balancing; *In: Crane FFA Class Meeting, Crane, OR (December 2004; 16 participants)*
28. Benefits of PM vs AM Cutting of Alfalfa Hay; *In: Harney County Hay and Forage Association Meeting, Burns, OR (December 2, 2004; 20 participants)*
27. The Importance of Agriculture Research; *In: Kirkland Institute for Child and Family Study, Burns, OR (July 20, 2004; 18 participants)*
26. Careers in Agriculture; *In: Kirkland Institute for Child and Family Study, Burns, OR (July 20, 2004; 18 participants)*
25. Intermountain Beef Production; *In: Centennial – Portland/Burns Educational Exchange Program in Burns, OR (May 5, 2004; 20 participants)*
24. Inexpensive Ways to Winter your Cows; *In: Burns FFA Class, Burns, OR (March 15, 2004; 23 participants)*
23. Practical use of the OSU Cowculator; *In: Oregon Cattleman's Spring Quarterly Meeting, Corvallis, OR (March 12, 2004; 30 participants)*
22. Beef Cattle Management in the Intermountain West; *In: Meeting with Crane and Burns FFA students, Burns, OR (April 9, 2003; 55 participants)*
21. Research and Extension Programs at EOARC Burns; *In: Burns FFA Class, Burns, OR (March 2003; 21 participants)*
20. Livestock Judging Terms and Principles; *In: Harney County 4-H Livestock Judging Team Meeting, Burns, OR (March 2003; 13 participants)*
19. Mineral Supplementation of Beef Cows; *In: Douglas County Livestock Mineral Nutrition program in Roseburg, OR (December 17, 2002; Approximately 40 participants)*
18. Update on Endophyte-Related Cattle Losses; *In: 2002 Oregon Seed Growers League in Portland, OR (December 10, 2002; approximately 250 participants)*
17. Inexpensive Ways to Winter your Cows; *In: 2002 Hermiston Farm Fair, Hermiston, OR (December 4, 2002; 25 participants)*

16. Mineral Supplementation of Beef Cows; *In: Coos County Livestock Trace Mineral Nutrition Program, Coquille, OR (November 19, 2002; 35 participants)*
15. Sheep Production and Management; *In: Burns FFA Class, Burns, OR (March 2002; 18 participants)*
14. Ruminant Nutrition and Ration Balancing; *In: Burns FFA Class, Burns, OR (February 28, 2002; 25 participants)*
13. Nutrition and Reproductive Performance of Beef Cows; *In: OSU Calving School, Burns, OR (February 19, 2002; 20 participants)*
12. Supplementation of Beef Cattle During Drought; *In: Oregon State University Extension Service Drought Field Day, Prineville, OR (June 27, 2001; approximately 50 participants)*
11. Livestock Judging Terms and Principles; *In: Harney County Livestock Judging Team Meeting, Burns, OR (March 2001; 11 participants)*
10. Alfalfa Quality and Animal Performance; *In: Harney County Hay and Forage Growers Meeting, Burns, OR (February 8, 2001; 25 participants)*
9. Nutritional Management of Beef Cows; *In: Lake County Winter Beef Nutrition Meeting, Lakeview, OR (November 21, 2000; 30 participants)*
8. Nutritional Management Strategies to Improve Sustainability of Beef Production in the Intermountain West; *In: OSU Animal Sciences Graduate Seminar, Corvallis, OR (November, 2000; 25 participants)*
7. Livestock Judging Terms and Principles; *In: Harney County Livestock Judging Team Meeting, Burns, OR (March 2000; 17 participants)*
6. Beef Cattle Nutrient Requirements and Ration Balancing; *In: Harney County 4-H Steer and Heifer Feeders, Burns, OR (March 2000; 8 participants)*
5. Ewe Nutrition and Health Management – Pre & Post Lambing; *In: Harney County Sheep Growers Association Meeting, Burns, OR (November 20, 1999; 20 participants)*
4. Research and Extension Program at EOARC Burns; *In: Harney County Home Schoolers Tour, Burns, OR (Nov. 1999; 15 participants)*
3. Research and Extension Program at EOARC Burns; *In: Kirkland Institute for Child and Family Study, Burns, OR (Sept. 1999; 21 participants)*
2. Forage Quality – Terms, Formulas, and Uses; *In: Harney County Hay Growers Association Meeting, Burns, OR (March 11, 1999; 25 participants)*
1. Forage Quality – Terms, Formulas, and Uses; *In: Central Oregon Forage Conference and Trade Show, Prineville, OR (January 29 – 30, 1999; 75 participants)*

National

22. Livestock grazing in the Sagebrush Steppe – Management Considerations; *In: 2017 Science in the Sagebrush Steppe, Riley, OR (April 28, 2017; 41 participants)*
21. Livestock grazing in the Sagebrush Steppe – Management Considerations; *In: 2016 Science in the Sagebrush Steppe, Riley, OR (April 22, 2016; 65 participants)*
20. Livestock & Wildlife interactions in the Sagebrush Steppe; *In: 2015 Science in the Sagebrush Steppe, Riley, OR (April 24, 2015; 22 participants)*
19. Climatic Variability – Something New for Cow/Calf Producers?; *In: Idaho Range Livestock Symposium & Tour. Marsing, ID (April 9, 2015; 65 participants)*
18. Climatic Variability – Something New for Cow/Calf Producers?; *In: Idaho Range Livestock Symposium & Tour. Burley, ID (April 8, 2015; 90 participants)*
17. Climatic Variability – Something New for Cow/Calf Producers?; *In: Idaho Range Livestock Symposium & Tour. Idaho Falls, ID (April 7, 2015; 110 total participants)*

16. Impacts of Wolf Predation on Cattle Behavior and Stress Response; *In: Spokane 4-H and Extension Workshop, Spokane, WA (Dec. 20, 2014; 26 participants; presented via Polycom)*
15. Livestock & Wildlife interactions in the Sagebrush Steppe; *In: 2014 Science in the Sagebrush Steppe, Riley, OR (April 26, 2014; 22 participants)*
14. Strategic Supplementation in the Intermountain West; *In: Winter Ag Meeting, University of California Coop. Extension/McArthur Farm Supply. Alturas, CA (February 21, 2012; 43 participants)*
13. Applied Nutritional Strategies for the Northwest; *In: Applied Reproductive Strategies in Beef Cattle – Northwest; Boise, ID (September 30 – October 1, 2011; 140 participants)*
12. Alternative Feeds – Can I Feed Them and How Much?; *In: 2009 Intermountain Cow Symposium & Magic Valley Winter Beef School. Twin Falls, ID (Jan. 14, 2009; 125 participants)*
11. CowCulator – A tool for quick and easy evaluation of cow diets; *In: 2009 Intermountain Cow Symposium & Magic Valley Winter Beef School. Twin Falls, ID (Jan. 14, 2009; 125 participants)*
10. Feeding Ethanol Co-products from Corn to Beef Cattle; *In: Nevada Cattlemen's Update 2008, Wellington, NV (January 11, 2008; 70 participants)*
9. Feeding Ethanol Co-products from Corn to Beef Cattle; *In: Nevada Cattlemen's Update 2008, Winnemucca, NV (January 10, 2008; 80 participants)*
8. Feeding Ethanol Co-products from Corn to Beef Cattle; *In: Nevada Cattlemen's Update 2008, Elko, NV (January 9, 2008; 100 participants)*
7. Feeding Ethanol Co-products from Corn to Beef Cattle; *In: Nevada Cattlemen's Update 2008, Ely, NV (January 8, 2008; 80 participants)*
6. Feeding Ethanol Co-products from Corn to Beef Cattle; *In: Nevada Cattlemen's Update 2008, Fallon, NV (January 7, 2008; 40 participants)*
5. Feeding Ethanol Co-products from Corn to Beef Cattle; *In: Nevada Cattlemen's Update 2008, Reno, NV (January 7, 2008; 90 participants)*
4. Beef Cattle Production in the Intermountain West; *In: Ecology of Grazing Lands Systems 2005 Field Trip Tour (students and advisors from University of Missouri, University of Tennessee, Texas Tech University, and Virginia Tech) – Understanding Agriculture Across America, Burns OR (June 2, 2005; 30 participants)*
3. Drought and Limited Forage Resources – What do I do?; *In: 2003 Idaho Cattleman's Annual Meeting, Boise, ID (November 11-13, 2003; 200 participants)*
2. Grass Seed Straw – Considerations for use as a forage source for ruminants; *In: Alternative Feeds for Livestock – Third National Symposium, Kansas City, MO (November 4-5, 2003; 200 participants)*
1. Winter Nutrition of Beef Cows; *In: Southwest Idaho Winter Beef School, Caldwell, ID (January, 20, 2000; 50 participants)*

International

3. Nutritional Management of Gestating Beef Females; *In: 16th Annual Curso Novos Enfoques na Producao e Reproducao de Bovinos. Uberlandia-Minas Gerais, Brazil (March 14 – 15, 2012; 500 participants).*
2. Crude Protein Supplementation of Beef Cattle Consuming Low-Quality Forage on Pasture; *In: 16th Annual Curso Novos Enfoques na Producao e Reproducao de Bovinos. Uberlandia-Minas Gerais, Brazil (March 14 – 15, 2012; 500 participants).*
1. Using Mycosorb to Address Physiological Changes Induced by Endophyte-Infected Tall Fescue; *In: Alltech's 23rd Annual International Symposium – Lexington, KY (May 20-23, 2007; approximately 1500 participants)*

Presentations in events that I organized or co-organized

35. The “Holey Cow”; *In: Harney County 2nd Graders EOARC Field Trip (May 8, 2018; 90 attendees)*
34. Using the OSU Across-Breed EPD Calculator; *In: EOARC AI School (March 30, 2018; 11 attendees)*
33. Nutrition for Reproductive Success; *In: EOARC AI School (March 30, 2018; 11 attendees)*
32. The “Holey Cow”; *In: Harney County 2nd Graders EOARC Field Trip (May 11, 2017; 90 attendees)*
31. The “Holey Cow”; *In: Harney County 2nd Graders EOARC Field Trip (May 12, 2016; 90 attendees)*
30. Supplementation Considerations and the OSU CowCulator; *In: Ranch Planning Workshop: Excel-Based Tools For Commercial Cattle Producers, Ontario, OR (Dec. 17, 2015; 4 attendees)*
29. Supplementation Considerations and the OSU CowCulator; *In: Ranch Planning Workshop: Excel-Based Tools For Commercial Cattle Producers, La Grande, OR (Dec. 16, 2015; 5 attendees)*
28. The “Holey Cow”; *In: Harney County 2nd Graders EOARC Field Trip (May 13, 2015; 80 attendees)*
27. EOARC Research and Extension Programs; *In: Evergreen College Tour & Field Day – Burns, OR (May 13-14, 2015; 18 attendees)*
26. The “Holey Cow”; *In: Harney County 2nd Graders EOARC Field Trip (May 29, 2014; 70 attendees)*
25. Nutritional Management during Drought; *In: EOARC Beef Cattle Field Day, Burns, OR (May 15, 2014; 100 attendees)*
24. OSU CowCulator; *In: Comprehensive Ranch Management Training: EXCELing for Beef Production, Burns, OR (December 18, 2013; 10 attendees)*
23. The “Holey Cow”; *In: Harney County 2nd Graders EOARC Field Trip (May 29, 2013; 80 attendees)*
22. Bull Selection and the OSU Across Breed EPD Calculator; *In: Comprehensive Ranch Management Training – Bull Selection Workshop, Seneca, OR (Feb. 15, 2012; 30 attendees)*
21. The “Holey Cow”; *In: Harney County 2nd Graders EOARC Field Trip (May 30, 2012; 75 attendees)*
20. Supplementation Research with Low-Quality Forages; *In: EOARC Beef Cattle Field Day, Burns, OR (May 17, 2012; 80 attendees)*
19. OSU Across-Breed EPD Calculator; *In: Comprehensive Ranch Management Training: Bull Selection Workshop, Seneca, OR (Feb. 15, 2012; 30 attendees)*
18. The “Holey Cow”; *In: Harney County 2nd Graders EOARC Field Trip (May 18, 2011; approximately 80 attendees)*
17. The “Holey Cow”; *In: Harney County 2nd Graders EOARC Field Trip (June 3, 2010; approximately 80 attendees)*
16. Consequences of Late Gestational Nutrition on Future Performance; *In: EOARC Beef Cattle Field Day, Burns, OR (May 27, 2010; 70 attendees)*
15. The “Holey Cow”; *In: Harney County 2nd Graders EOARC Field Trip (May 20, 2009; approximately 80 attendees)*
14. Tools for Genetic Selection; *In: Comprehensive Ranch Management Training: Genetic Selection Strategy Workshop – Seneca, OR (Feb. 11, 2009; 40 attendees)*
13. OSU CowCulator; *In: Comprehensive Ranch Management Training: Winter Feed Costs Forum, La Grande, OR (Jan. 16, 2009; 50 attendees)*
12. OSU CowCulator; *In: Comprehensive Ranch Management Training: Winter Feed Costs Forum, Vale, OR (Nov. 20, 2008; 20 attendees)*

11. OSU CowCulator; *In: Comprehensive Ranch Management Training: Winter Feed Costs Forum, Seneca, OR (Sept. 8, 2008; 50 attendees)*
10. OSU CowCulator; *In: Comprehensive Ranch Management Training: Winter Feed Costs Forum, Burns, OR (July 31, 2008; 15 attendees)*
9. OSU CowCulator; *In: Comprehensive Ranch Management Training: Winter Feed Costs Forum, Prineville, OR (July 24, 2008; 40 attendees)*
8. Strategies to Reduce Winter Feed Costs; *In: Comprehensive Ranch Management Training: Winter Feed Costs, Fields, OR (December 21, 2007; 10 attendees)*
7. Strategies to Reduce Winter Feed Costs; *In: Comprehensive Ranch Management Training: Winter Feed Costs, Burns, OR (December 8, 2007; 15 attendees)*
6. The “Holey Cow”; *In: Harney County 2nd Graders EOARC Field Trip (May 31, 2007; approximately 80 attendees)*
5. The “Holey Cow”; *In: Harney County 2nd Graders EOARC Field Trip (May 25, 2006; approximately 80 attendees)*
4. The “Holey Cow”; *In: Harney County 2nd Graders EOARC Field Trip (May 26, 2005; approximately 80 attendees)*
3. Strategic Supplementation of Beef Cattle; *In: OSU Range Field Day, Riley, OR (June 29, 2004; 100 attendees)*
2. The “Holey Cow”; *In: Harney County 2nd Graders EOARC Field Trip (May 27, 2004; approximately 80 attendees)*
1. Supplementation of Beef Cattle During Drought; *In: Drought Field Day, Burns, OR (May 31, 2001; 60 attendees)*

Post-Doctorial Scholars

Name	Period
Rodrigo Marques	10/17 to 9/18

Graduate Students: Major (*) or (**) Co-Major Professor

Name	Degree	University	Graduation
Dustin L. McGuire**	M.S.	OSU	Fall 2013
Melissa Merrill*	Ph.D.	OSU	Spring 2007
Michael Fisher*	M.S.	OSU	Fall 2003
Thomas Currier*	M.S.	OSU	Fall 2002
Chris Schauer*	Ph.D.	OSU	Fall 2003

Graduate Students: Committee member

Name	Degree	University	Graduation
Katana Lippolis**	Ph.D.	OSU	Spring 2018
Carmen Willmore	Ph.D.	UI	2019; anticipated
Kelsey M. Schubach	M.S.	OSU	Spring 2017
Rodrigo S. Marquez	Ph.D.	OSU	Spring 2017
Michael Ellis	M.S.	OSU	Spring 2016
Thomaz A. Guarnieri Filho	M.S.	São Paulo State (Brazil)	Spring 2015
Bruno Cappellozza	Ph.D.	OSU	Spring 2015
Dustin Keys	M.S.	OSU	Spring 2015
Maria M. Reis	M.S.	OSU	Fall 2014

Bruno Cappellozza	M.S.	OSU	Fall 2012
Alberto Perez Amaro	Ph.D.	OSU	2008; Quit
Mark Estes	M.S.	OSU	Fall 2008
Daal Damiran	Ph.D.	OSU	Fall 2007
Tyson Shirley	M.S.	OSU	Fall 2002

Undergraduate Interns

Name	Period	University
Julia Lewis Barnes	6/16 to 8/16	OSU
Caroline Hardy Yearian	6/15 to 8/15	OSU
Filipe Sanches	7/12 to 10/12	Univ. Estadual de Maringá (Brazil)
Caitlin Rose	1/11 to 3/11	University of Minnesota
Frederico Nery	8/09 to 11/09	Federal Univ. of Goiás (Brazil)

1. Publications

Google Scholar: <https://scholar.google.com/citations?user=J8skWPcAAAAJ&hl=en>

Research Gate: https://www.researchgate.net/profile/David_Bohnert

Refereed Articles

72. †A. P. Brandão, R. F. Cooke, K. M. Schubach, R. S. Marques, † **D. W. Bohnert**, R. S. Carvalho, N. W. Dias, C. L. Timlin, S. Clark-Deener, J. F. Currin, D. B. Jump, K. G. Pohler, R. L. A. Cerri, and V. R. G. Mercadante. XXXX. Supplementing Ca salts of soybean oil after artificial insemination increases pregnancy success in *Bos taurus* beef cows. *J. Anim. Sci.* (Accepted 4/18/18).
71. †De Souza, K. A., R. F. Cooke, K. M. Schubach, A. P. Brandão, T. F. Schumacher, I. N. Prado, R. S. Marques, and **D. W. Bohnert**. XXXX. Performance, health, and physiological responses of newly-weaned feedlot cattle supplemented with feed-grade antibiotics or alternative feed ingredients. *Animal*. (Accepted 1/19/18)
70. †Silva, L. G. T., R. F. Cooke, K. M. Schubach, A. P. Brandão, R. S. Marques, T. F. Schumacher, P. Moriel, and **D. W. Bohnert**. 2018. Supplementing a yeast-derived product to enhance productive and health responses of beef steers. *Animal*. 12:1576-1583. <https://doi.org/10.1017/S1751731117003585>
69. †Schubach, K. M., R. F. Cooke, A. P. Brandão, K. D. Lippolis, L. G. T. Silva, R. S. Marques, and **D. W. Bohnert**. 2017. Impacts of stocking density on development and puberty attainment of replacement beef heifers. *Animal*. 11:2260-2267. doi.org/10.1017/S1751731117001070
68. †Marques, R. S., R. F. Cooke, M. C. Rodrigues, A. P. Brandão, K. M. Schubach, K. D. Lippolis, P. Moriel, G. A. Perry, A. Lock, and **D. W. Bohnert**. 2017. Effects of supplementing Ca salts of PUFA to late-gestating beef cows on performance and physiological responses of the offspring. *J. Anim. Sci.* 95:5347-5357.
67. †Lippolis, K. D., R. F. Cooke, T. Schumacher, A. P. Brandão, L. G. T. Silva, K. M. Schubach, R. S. Marques, and **D. W. Bohnert**. 2017. Physiologic, health, and performance responses of beef steers supplemented with an immunomodulatory feed ingredient during feedlot receiving. *J. Anim. Sci.* 95:4945-4957

66. † Lippolis, K. D., R. F. Cooke, L. G. T. Silva, K. M. Schubach, A. P. Brandão, R. S. Marques, C. K. Larson, J. R. Russell, S. A. Arispe, T. DelCurto and **D. W. Bohnert**. 2017. Effects of organic complexed or inorganic Co, Cu, Mn, and Zn Supplementation during a 45-day preconditioning period on productive and health responses of feeder cattle. *Animal*. 11:1949-1956.
65. † Lippolis, K. D., R. F. Cooke, K. M. Schubach, R. S. Marques, and **D. W. Bohnert**. 2017. Effects of intravenous lipopolysaccharide administration on feed intake, ruminal forage degradability and liquid parameters, and physiological responses in beef cattle. *J. Anim. Sci.* 95:2859-2870.
64. † Cooke, R. F., L. R. Mehrkam, R. S. Marques, K. D. Lippolis, and **D. W. Bohnert**. Effects of a simulated wolf encounter on brain and blood biomarkers of stress-related psychological disorders in beef cows with or without previous exposure to wolves. *J. Anim. Sci.* 95:1154-1163.
63. Cooke, R. F., K. M. Schubach, R. S. Marques, R. G. Peres, L. G. T. Silva, R. Carvalho, R. S. Cipriano, **D. W. Bohnert**, A. V. Pires, and J. L. M. Vasconcelos. 2017. Effects of temperament on physiological, productive, and reproductive responses in *Bos indicus* beef cows. *J. Anim. Sci.* 95: 1: 1-8. doi:10.2527/jas.2016.1098
62. Cipriano, R. S., R. F. Cooke, A. D. Rodrigues, L. G. T. Silva, **D. W. Bohnert**, R. S. Marques, J. L. M. Vasconcelos, A. C. Pires, and R. L. A. Cerri. 2016. Post-AI supplementation with Ca salts of soybean oil influences pregnancy establishment factors in *Bos indicus* beef cows. *J. Anim. Sci.* 94:4892–4902. doi:10.2527/jas2016-0916.
61. † Lippolis, K. D., R. F. Cooke, K. M. Schubach, A. P. Brandão, L. G. T. da Silva, R. S. Marques, and **D. W. Bohnert**. 2016. Altering the time of vaccination against respiratory pathogens to enhance vaccine efficacy and performance of feeder cattle. *J. Animal Sci.* 94:3987–3995. doi:10.2527/jas2016-0673.
60. ****Bohnert, D. W.**, and M. B. Stephenson. 2016. Supplementation and sustainable grazing systems. *J. Anim. Sci.* 94(S6):15–25. doi:10.2527/jas2016-0520
59. † Marques, R. S., R. F. Cooke, M. C. Rodrigues, P. Moriel, and **D. W. Bohnert**. 2016. Impacts of cow body condition score during gestation on weaning performance of the offspring. *Livest. Sci.* 191:174-178.
58. † Marques, R. S., R. F. Cooke, M. C. Rodrigues, B. I. Cappelozza, R. R. Mills, C. K. Larson, P. Moriel, and **D. W. Bohnert**. 2016. Effects of organic or inorganic cobalt, copper, manganese, and zinc supplementation to late-gestating beef cows on productive and physiological responses of the offspring. *J. Anim. Sci.* 94:1215-1226.
57. Cooke, R. F., R. F. G. Peres, R. S. Cipriano, T. A. Guarnieri Filho, R. S. Marques, M. C. Rodrigues, R. S. Carvalho, **D. W. Bohnert**, and J. L. M. Vasconcelos. 2016. Impacts of meloxicam administration prior to temporary calf weaning on physiological and reproductive responses of *Bos indicus* beef cows. *J. Anim. Sci.* 94:406-411.
56. † Rodrigues, M. C., R. F. Cooke, R. S. Marques, S. A. Arispe, D. H. Keisler, and **D. W. Bohnert**. 2015. Effects of oral meloxicam administration to beef cattle receiving lipopolysaccharide administration or vaccination against respiratory pathogens. *J. Anim. Sci.* 93:5018-5027.
55. † Rodrigues, M. C., R. F., Cooke, R. S Marques, B. I. Cappelozza, S. A. Arispe, D. H. Keisler, and **D. W. Bohnert**. 2015. Effects of vaccination against respiratory pathogens on feed intake, metabolic, and inflammatory responses in beef heifers. *J. Anim. Sci.* 93:4443-4452.

54. † Reis, M. M., R. F. Cooke, B. I. Cappelozza, R. S. Marques, T. A. Guarnieri Filho, M. C. Rodrigues, J. S. Bradley, C. J. Mueller, D. H. Kiesler, S. E. Johnson, and **D. W. Bohnert**. 2015. Creep-feeding to stimulate metabolic imprinting in nursing beef heifers: Impacts on heifer growth, reproductive, and physiological variables. *Animal*. (doi:10.1017/S1751731115000828).
53. † Cappelozza, B. I., R. F. Cooke, M. M. Reis, R. S. Marques, T. A. Guarnieri Filho, G. A. Perry, D. B. Jump, K. A. Lytle, and **D. W. Bohnert**. 2015. Effects of protein supplementation frequency on physiological responses associated with reproduction in beef cows. *J. Anim. Sci.* 93:386-394.
52. † Guarnieri Filho, T. A., R. F. Cooke, B. I. Cappelozza, M. M. Reis, R. S. Marques, and **D. W. Bohnert**. 2014. Effects of meloxicam administration on physiological and performance responses of transported feeder cattle. *J. Anim. Sci.* 92:4137-4144.
51. † Cappelozza, B. I., R. F. Cooke, T. A. Guarnieri Filho, and **D. W. Bohnert**. 2014. Supplementation based on protein or energy ingredients to beef cattle consuming low-quality cool-season forages: I. Forage disappearance parameters in rumen-fistulated steers and physiological responses in pregnant heifers. *J. Anim. Sci.* 92: 2716-2724.
50. † Cappelozza, B. I., R. F. Cooke, M. M. Reis, P. Moriel, D. H. Keisler, and **D. W. Bohnert**. 2014. Supplementation based on protein or energy ingredients to beef cattle consuming low-quality cool-season forages: II. Performance, reproductive, and metabolic responses of replacement heifers. *J. Anim. Sci.* 92:2725-2734.
49. Cooke, R. F., B. I. Cappelozza, T. A. Guarnieri Filho, C. M. Depner, K. A. Lytle, D. B. Jump, **D. W. Bohnert**, R. L. A. Cerri, and J. L. M. Vasconcelos. 2014. Effects of calcium salts of soybean oil on factors that influence pregnancy establishment in *Bos indicus* beef cows. *J. Anim. Sci.* 92:2239-2250.
48. † Cooke, R. F., **D. W. Bohnert**, B. I. Cappelozza, R. S. Marques, T. DelCurto, and C. J. Mueller. 2014. Incorporation of sexed semen into reproductive management of cow-calf operations. *Livest. Sci.* 163:165-171.
47. ** **Bohnert, D. W.**, R. L. Sheley, S. J. Falck, and A. A. Nyman. 2014. Knapweed as a nutritional supplement for beef cows fed low-quality forage. *Rangeland Ecol. Manage.* 67:219-223.
46. Svejcar, T, C. Boyd, K. Davies, M. Madsen, J. Bates, R. Sheley, C. Marlow, **D. Bohnert**, M. Borman, R. Mata-Gonzalez, J. Buckhouse, T. Stringham, B. Perryman, S. Swanson, K. Tate, M. George, G. Ruyle, B. Roundy, C. Call, K. Jensen, K. Launchbaugh, A. Gearhart, L. Vermeire, J. Tanaka, J. Derner, G. Frasier, and K. Havstad. 2014. Western land managers will need all available tools for adapting to climate change, including grazing: A critique of Beschta et al. *Environ. Manage.* 53:1035-1038.
45. † Cooke, R. F., **D. W. Bohnert**, M. M. Reis, and B. I. Cappelozza. 2013. Wolf presence in the ranch of origin: Impacts on temperament and physiological responses of beef cattle following a simulated wolf encounter. *J. Anim. Sci.* 91:5905-5911.
44. † Cooke, R. F., B. I. Cappelozza, T. A. Guarnieri Filho, and **D. W. Bohnert**. 2013. Effects of flunixin meglumine administration on physiological and performance responses of transported feeder cattle. *J. Anim. Sci.* 91:5500-5506.
43. ** **Bohnert, D. W.**, L. A. Stalker, R. R. Mills, A. A. Nyman, S. J. Falck, and R. F. Cooke. 2013. Late gestation supplementation of beef cows differing in BCS: Effects on cow and calf performance. *J. Anim. Sci.* 91:5485-5491.
42. † Cooke, R. F., T. A. Guarnieri Filho, B. I. Cappelozza, and **D. W. Bohnert**. 2013. Rest stops during road transport: Impacts on performance and acute-phase protein responses of feeder cattle. *J. Anim. Sci.* 91:5448-5454.

41. *McGuire, D. L., **D. W. Bohnert**, C. S. Schauer, S. J. Falck, and R. F. Cooke. 2013. Daily and Alternate Day Supplementation of Urea or Soybean Meal to Ruminants Consuming Low-Quality Cool-Season Forage: I. Effects on Efficiency of Nitrogen use and Nutrient Digestion. *Livest. Sci.* 155:205-213.
40. *Cappelozza, B. I., **D. W. Bohnert**, C. S. Schauer, S. J. Falck, E. S. Vanzant, D. L. Harmon, and R. F. Cooke. 2013. Daily and Alternate Day Supplementation of Urea or Soybean Meal to Ruminants Consuming Low-Quality Cool-Season Forage: II. Effects on Ruminal Fermentation. *Livest. Sci.* 155:214-222.
39. Tanaree, D. D., J. M. Duringer, **D. W. Bohnert**, and A. M Craig. 2013. Microarray evaluation of bovine hepatic gene response to fescue toxicosis. *World Mycotoxin J.* 6:419-426.
38. †Cooke, R. F., **D. W. Bohnert**, C. L. Francisco, R. S. Marques, C. J. Mueller, and D. H. Keisler. 2013. Effects of bovine somatotropin administration on growth, physiological, and reproductive responses of replacement beef heifers. *J. Anim. Sci.* 91:2894-2901.
37. †Cappelozza*, B. I., R. F. Cooke, **D. W. Bohnert**, G. Cherian, and J. A. Carroll. 2012. Effects of camelina meal supplementation on ruminal forage degradability, performance, and physiological responses of beef cattle. *J. Anim. Sci.* 90:4042-4054.
36. †Francisco, C. L., R. F. Cooke, R. S. Marques, R. R. Mills, and **D. W. Bohnert**. 2012. Effects of temperament and acclimation to handling on feedlot performance of *Bos taurus* feeder cattle originated from a range cow-calf system. *J. Anim. Sci.* 90:5067-5077.
35. †Marques, R. S., R. F. Cooke, C. L. Francisco, and **D. W. Bohnert**. 2012. Effects of 24-h transport or 24-h feed and water deprivation on physiologic and performance responses of feeder cattle. *J. Anim. Sci.* 90:5040-5046.
34. †Cooke, R. F., B. I. Cappelozza, M. M. Reis, **D. W. Bohnert**, and J. L. M. Vasconcelos. 2012. Plasma progesterone concentration in beef heifers receiving exogenous glucose, insulin, or bovine somatotropin. *J. Anim. Sci.* 90:3266-3273.
33. †Cooke, R. F., **D. W. Bohnert**, B. I. Cappelozza, C. J. Mueller, and T. DelCurto. 2012. Effects of temperament and acclimation to handling on reproductive performance of *Bos taurus* beef females. *J. Anim. Sci.* 90:3547-3555.
32. Moriel, P., R. F. Cooke, **D. W. Bohnert**, J. M. B. Vendramini, and J. D. Arthington. 2012. Effects of energy supplementation frequency and forage quality on performance, reproductive, and physiological responses of replacement beef heifers. *J. Anim. Sci.* 90:2371-2380.
31. †Cooke, R. F., J. A. Carroll, J. Dailey, B. I. Cappelozza, and **D. W. Bohnert**. 2012. Bovine acute-phase response following different doses of corticotrophin-release hormone challenge. *J. Anim. Sci.* 90:2337-2344.
30. †Cooke, R. F., **D. W. Bohnert**, M. Meneghetti, T. C. Losi, and J. L. M. Vasconcelos. 2011. Effects of temperament on pregnancy rates to fixed-timed AI in *Bos indicus* beef cows. *Livest. Sci.* 142:108-113.
29. ****Bohnert, D. W.**, A. A. Clark, M. L. Merrill, T. DelCurto, S. J. Falck, and D. L. Harmon. 2011. Protein supplementation of low-quality cool- and warm-season forage: intake, digestibility, and efficacy of nitrogen use in ruminants. *J. Anim. Sci.* 89:3707-3717.
28. †Cooke, R. F., **D. W. Bohnert**, P. Moriel, B. W. Hess, and R. R. Mills. 2011. Effects of polyunsaturated fatty acid supplementation on ruminal in situ forage degradability, performance, and physiological responses of feeder cattle. *J. Anim. Sci.* 89:3677-3689.
27. †Cooke, R. F., and **D. W. Bohnert**. 2011. Technical Note: Bovine acute-phase response following corticotrophin-release hormone challenge. *J. Anim. Sci.* 89:252-257.

26. Schauer, C. S., M. L. Van Emon, M. M. Thompson, **D. W. Bohnert**, J. S. Caton, and K. K. Sedivec. 2010. Protein supplementation of low-quality forage: Influence of frequency of supplementation on ewe performance and lamb nutrient utilization. *Sheep & Goat Res. J.* 25:66-73.
25. † Ganskopp, D. C., and **D. W. Bohnert**. 2009. Landscape nutritional patterns and cattle distribution in rangeland pastures. *Appl. Anim. Behavior. Sci.* 116:110-119.
24. * Merrill, M. L., **D. W. Bohnert**, D. C. Ganskopp, D. D. Johnson, and S. J. Falck. 2008. Effects of early weaning on cow performance, grazing behavior and winter feed costs. *Prof. Anim. Sci.* 24:29-34.
23. Daalkhajav, D., T. DelCurto, **D. W. Bohnert**, and S. L. Findholt. 2008. Comparison of techniques and grinding size to estimate digestibility of forage based ruminant diets. *Anim. Feed Sci. Technol.* 141:15-35.
22. * Merrill, M. L., **D. W. Bohnert**, D. L. Harmon, A. M. Craig, and F. N. Schrick. 2007. The ability of a yeast-derived cell wall preparation to minimize toxic effects of high ergot-alkaloid tall fescue straw in beef cattle. *J. Anim. Sci.* 85:2596-2605.
21. † Ganskopp, D., and **D. Bohnert**. 2006. Do pasture scale nutritional patterns affect cattle Distribution on Rangelands? *Rangeland Ecol. & Manage.* 59:189-196.
20. † Carpinelli, M. F., C. S. Schauer, **D. W. Bohnert**, S. P. Hardegee, S. J. Falck, and T. J. Svejcar. 2005. Effect of ruminal incubation on perennial pepperweed germination. *Rangeland Ecol. & Manage.* 58:632-636.
19. * Schauer, C. S., **D. W. Bohnert**, D. C. Ganskopp, C. J. Richards, and S. J. Falck. 2005. Influence of protein supplementation frequency on cows consuming low-quality forage: Performance, grazing behavior, and variation in supplement intake. *J. Anim. Sci.* 83:1715-1725.
18. * Fisher, M. J., **D. W. Bohnert**, C. J. Ackerman, C. S. Schauer, T. DelCurto, A. M. Craig, E. S. Vanzant, D. L. Harmon, and F. N. Schrick. 2004. Evaluation of perennial ryegrass straw as a forage source for ruminants. *J. Anim. Sci.* 82:2175-2184.
17. * Currier, T. A., **D. W. Bohnert**, S. J. Falck, and S. J. Bartle. 2004. Daily and alternate day supplementation of urea or biuret to ruminants consuming low-quality forage: I. Effects on cow performance and efficiency of nitrogen use in wethers. *J. Anim. Sci.* 82:1508-1517.
16. * Currier, T. A., **D. W. Bohnert**, S. J. Falck, C. S. Schauer, and S. J. Bartle. 2004. Daily and alternate-day supplementation of urea or biuret to ruminants consuming low-quality forage: II. Effects on site of digestion and microbial efficiency in steers. *J. Anim. Sci.* 82:1518-1527.
15. * Currier, T. A., **D. W. Bohnert**, S. J. Falck, C. S. Schauer, and S. J. Bartle. 2004. Daily and alternate-day supplementation of urea or biuret to ruminants consuming low-quality forage: III. Effects on ruminal fermentation characteristics in steers. *J. Anim. Sci.* 82:1528-1535.
14. * Schauer, C. S., **D. W. Bohnert**, and M. F. Carpinelli. 2004. Nutritional calendar and germination responses to ruminal incubation of forage kochia. *Rangelands.* 26(1):8-11.
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11. ** **Bohnert, D. W.**, C. S. Schauer, M. L. Bauer, and T. DelCurto. 2002. Influence of rumen protein degradability and supplementation frequency on steers consuming low-quality forage: I. Site of digestion and microbial efficiency. *J. Anim. Sci.* 80:2967-2977.
10. ** **Bohnert, D. W.**, C. S. Schauer, S. J. Falck, and T. DelCurto. 2002. Influence of rumen protein degradability and supplementation frequency on steers consuming low-quality forage: II. Ruminal fermentation characteristics. *J. Anim. Sci.* 80:2978-2988.
9. ** **Bohnert, D. W.**, C. S. Schauer, T. DelCurto. 2002. Influence of rumen protein degradability and supplementation frequency on performance and nitrogen use in ruminants consuming low-quality forage: Cow performance and efficiency of nitrogen use in wethers. *J. Anim. Sci.* 80:1629-1637.
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4. † **Bohnert, D. W.**, B. T. Larson, M. L. Bauer, A. F. Branco, K. R. McLeod, D. L. Harmon, and G. E. Mitchell, Jr. 1999. Nutritional evaluation of poultry byproduct meal as a protein source for ruminants: Small intestinal amino acid flow and disappearance in steers. *J. Anim. Sci.* 77:1000-1007.
3. † **Bohnert, D. W.**, B. T. Larson, S. J. Lewis, C. J. Richards, K. C. Swanson, D. L. Harmon and G. E. Mitchell, Jr. 1999. Net nutrient flux by visceral tissues of lambs fed diets differing in supplemental nitrogen source. *J. Anim. Sci.* 77:2545-2553.
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Proceedings

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47. † A. P. Brandão, R. F. Cooke, K. M. Schubach, R. S. Marques, **D. W. Bohnert**, and V. R. G. Mercadante. 2018. Supplementing calcium salts of soybean oil after artificial insemination increases pregnancy success in *Bos taurus* beef cows. *Transl. Anim. Sci.*: In Press doi: 10.1093/tas/txy017

46. † Schubach, K. M., R. F. Cooke, A. P. Brandão, O. A. de Sousa, T. F. Schumacher, **D. W. Bohnert**, and R. S. Marques. 2018. Supplementing Micro-Aid to optimize health and performance of receiving cattle. *Transl. Anim. Sci.*: In Press doi: 10.1093/tas/txy018.
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Grant and Contract Support

To date, as PI or Co-PI, I have submitted 75 proposals totaling \$3,398,468 to private and public agencies, with 57 funded for a total of \$1,208,147. In addition, I have obtained \$229,000 in funds as a collaborator in support my programs. Therefore, external support for my programs have totaled \$1,437,147.

Funding Source	Role	Date	Amount Requested	Amount Funded
USDA Forest Service <i>Title: Implementation Meadow Creek Cattle Grazing Practices to Evaluate Compatibility with Recovery of Threatened Salmonids</i>	PI: D. W. Bohnert	2018-2019	\$62,496	\$62,496
Oregon Beef Council <i>Title: Interspace/Undercanopy Foraging Patterns of Horses in Sagebrush Habitats: Implications for Sage-Grouse</i>	PI: D. W. Bohnert	2018-2019	\$20,000	\$8,000
USDA-ARS <i>Title: Horse Impacts on Sage-Grouse Habitat Structure and Composition on Grazed Rangelands</i>	PI: D. W. Bohnert	2017-2020	\$224,000	\$224,000

U.S. Fish & Wildlife Service	Co-PI; D. D. Johnson, V. Schroeder, D. Bohnert , J. Dinkins, and C. Boyd	2017	\$35,603	\$35,603
<i>Title: Grazing Season of Use Effects on Sagebrush Obligate Avian Habitat</i>				
National Fish & Wildlife Foundation	Co-PI; B. A. Endress, D. W. Bohnert , B. Roper, T. Sedell, & M. Wisdom	2017-2018	\$100,000	--
<i>Title: Integration of Novel Grazing Practices with Salmonid Restoration on Public Range Allotments</i>				
Oregon Beef Council	Co-PI; B. A. Endress & D. W. Bohnert	2017-2018	\$10,000	\$10,000
<i>Title: Evaluation of Stubble Height Relationship to Riparian Health and Function</i>				
Oregon Beef Council	Co-PI; R. F. Cooke & D. W. Bohnert	2017-2018	\$15,000	\$15,000
<i>Title: Impacts of Estrus Expression & Intensity during an Estrus Synchronization and Artificial Insemination Protocol on Parameters Associated with Fertility and Pregnancy establishment in Beef Cow</i>				
Oregon Beef Council	Co-PI; R. F. Cooke & D. W. Bohnert	2017-2018	\$13,500	\$13,500
<i>Title: Feeding Essential Fatty Acids to Late-Gestating Cows to Optimize Performance & Health Responses of the Offspring</i>				
USDA-NIFA Animal Health and Disease	Co-PI; R. F. Cooke & D. W. Bohnert	2017-2018	\$33,704	\$33,704
<i>Title: Anticipating vaccination against respiratory pathogens to enhance health and performance of feeder cattle</i>				
Agricultural Research Foundation	Co-PI; R. F. Cooke & D. W. Bohnert	2017-2019	\$12,500	\$12,500
<i>Title: Feeding essential fatty acids to late-gestating cows to optimize performance and health responses of the offspring</i>				
Oregon Department of Fish & Wildlife	PI: A. Svejcar, Oregon State University; Collaborator: D. W. Bohnert	2016-2017	\$161,925	\$161,925 (\$16,000 Administered by D. W. Bohnert)
<i>Title: Seed Delivery Research</i>				
Agricultural Research Foundation	Co-PI; R. F. Cooke & D. W. Bohnert	2016-2017	\$12,500	\$12,500
<i>Title: Impacts of Post-Weaning Growth Rate on Reproductive Development and Maternal Ability (milk production) of Replacement Beef Heifers</i>				

Grande Ronde Model Watershed	Co-PI; B. A. Endress, D. W. Bohnert , T. Sedell, and M. Wisdom	2016-2017	\$15,500	\$15,500
<i>Title: Monitoring Restoration: Meadow Creek</i>				
USDA-NIFA Animal Health and Disease	Co-PI; R. F. Cooke & D. W. Bohnert	2015-2016	\$23,928	\$23,928
<i>Title: Altering the time of vaccination against respiratory pathogens to enhance vaccine efficacy, health, and performance of feeder cattle</i>				
Agricultural Research Foundation	Co-PI; R. F. Cooke & D. W. Bohnert	2015-2016	\$12,500	\$12,500
<i>Title: Impacts of Stocking Density on Welfare & Productivity of Replacement Beef Heifers</i>				
Agricultural Research Foundation	Co-PI; R. F. Cooke & D. W. Bohnert	2015-2016	\$12,500	\$12,500
<i>Title: Effects of Omega-3 and Omega-6 Fatty Acid Supplementation to Late-Gestation Cows on Performance & Health Responses of the Subsequent Offspring</i>				
Oregon Beef Council	Co-PI; R. F. Cooke & D. W. Bohnert	2015-2016	\$35,000	\$35,000
<i>Title: Impacts of wolf predation on stress-related physiological and psychological responses in beef cattle</i>				
USDA-NIFA Animal Health and Disease	Co-PI; R. F. Cooke & D. W. Bohnert	2014-2015	\$30,000	\$30,000
<i>Title: Meloxicam as an alternative to alleviate inflammatory and acute phase reactions in beef cattle</i>				
Oregon Beef Council	Co-PI; D. W. Bohnert & R. F. Cooke	2014-2015	\$23,600	\$23,600
<i>Title: Influence of Supplement Type and Monensin Addition on Utilization of Low-Quality, Cool-Season Forage by Beef Cattle</i>				
Agricultural Research Foundation	Co-PI; R. F. Cooke & D. W. Bohnert	2014-2015	\$12,500	\$12,500
<i>Title: Metabolic imprinting: impact on growth & reproductive development of beef heifers</i>				
NRCS-Conservation Improvement Grant	PI: G. Fuller, TNC; Collaborator: D. W. Bohnert	2013-2014	\$324,851	\$324,851 (\$213,000 Administered by D. W. Bohnert)
<i>Title: Sage-Grouse Conservation: Linking practices to habitat metrics</i>				
Oregon Beef Council	Co-PI; R. F. Cooke & D. W. Bohnert	2013-2014	\$61,500	\$61,500
<i>Title: Impacts of cow nutritional management during gestation on future performance of the offspring</i>				

USDA-NIFA Animal Health and Disease	Co-PI; R. F. Cooke & D. W. Bohnert	2013-2014	\$20,280	\$17,238
<i>Title: Use of Moloxicam to alleviate the transport-elicited acute-phase reaction in feeder cattle</i>				
Pfizer Animal Health	Co-PI; R. F. Cooke & D. W. Bohnert	2013-2014	\$5,000	\$5,000
<i>Title: Metabolic imprinting: impact on growth & reproductive development of beef heifers</i>				
Oregon Beef Council	Co-PI; D. W. Bohnert & R. F. Cooke	2012-2013	\$23,700	\$23,700
<i>Title: Influence of Supplement Composition on Utilization of Low-Quality Cool-Season Forage</i>				
Oregon Beef Council	Co-PI; R. F. Cooke & D. W. Bohnert	2012-2013	\$20,500	\$20,500
<i>Title: Comparison of Ivomec Plus® and a Generic Anthelmintic on Gastrointestinal Parasite Control and Performance of Beef Cattle</i>				
USDA-NIFA Animal Health and Disease	Co-PI; R. F. Cooke & D. W. Bohnert	2012-2013	\$18,180	\$18,180
<i>Title: Alternatives to prevent acute-phase reaction in transported beef steers</i>				
Agricultural Research Foundation	Co-PI; D. W. Bohnert & R. F. Cooke	2012-2013	\$12,500	--
<i>Title: Comparison of the effects of protein supplementation of cool and warm season low-quality forages consumed by beef cattle: differences in intake and digestibility</i>				
Agricultural Research Foundation	Co-PI; D. W. Bohnert & R. F. Cooke	2012-2013	\$12,500	\$12,500
<i>Title: Comparison of energy or protein supplementation to beef heifers</i>				
Agricultural Research Foundation	Co-PI; R. F. Cooke & D. W. Bohnert	2012-2013	\$12,500	--
<i>Title: Effects of acclimation to human handling on temperament, feedlot performance, and carcass quality of beef steers</i>				
NIFA-AFRI: Foundational Program	Co-PI; R. F. Cooke & D. W. Bohnert	2012-2015	\$494,956	--
<i>Title: Temperament and Reproduction in Cattle</i>				
USDA-NIFA Animal Health and Disease	Co-PI; R. F. Cooke & D. W. Bohnert	2011-2012	\$15,616	\$15,616
<i>Title: Transport, nutrient restriction, and effects on health and performance of cattle</i>				
Oregon Beef Council	Co-PI; D. W. Bohnert & R. F. Cooke	2011-2012	\$17,250	--
<i>Title: Maximizing Net Income from Culled Beef Cows</i>				

Oregon Beef Council	Co-PI; R. F. Cooke & D. W. Bohnert	2011-2012	\$11,960	\$11,960
<i>Title: Effects of camelina meal supplementation on performance and health responses of beef cattle</i>				
National Institutes of Health	Co-PI; R. F. Cooke, D. W. Bohnert , G. Bobe, & G. Cherian	2011-2015	\$1,186,111	--
<i>Title: Stress-induced immune responses and their consequences to livestock health</i>				
Agricultural Research Foundation	Co-PI; R. F. Cooke & D. W. Bohnert	2011-2012	\$12,500	--
<i>Title: Effects of disposition and acclimation to human handling on feedlot performance and carcass characteristics of feeder steers</i>				
Grass Seed Cropping Systems for Sustainable Agriculture	Co-PI; R. F. Cooke & D. W. Bohnert	2011-2012	\$33,309	--
<i>Title: Strategic feeding of ryegrass by-products to beef cattle to promote agricultural production efficiency, sustainability, and environmental stewardship</i>				
Agricultural Research Foundation	Co-PI; R. F. Cooke & D. W. Bohnert	2011-2012	\$12,500	\$12,500
<i>Title: Effects of camelina meal supplementation on performance and health responses of beef cattle</i>				
USDA-NIFA Animal Health and Disease	Co-PI; R. F. Cooke & D. W. Bohnert	2010-2011	\$22,000	\$22,000
<i>Title: Bovine acute-phase response following corticotrophin-release hormone challenge</i>				
Oregon Beef Council	Co-PI; D. W. Bohnert & R. F. Cooke	2010-2011	\$23,700	\$23,700
<i>Title: Protein supplementation of low-quality forage: Effects of amount and frequency of protein supplementation on ruminant performance and nutrient utilization</i>				
Oregon Beef Council	Co-PI; R. F. Cooke & D. W. Bohnert	2010-2011	\$25,000	\$12,500
<i>Title: Effects of disposition and acclimation to human handling on feedlot performance and carcass characteristics of feeder steers</i>				
Oregon Beef Council	Co-PI; R. F. Cooke & D. W. Bohnert	2010-2011	\$32,500	\$32,500
<i>Title: Evaluation of conflict stressors on spatial behavior and grazing budgets of cattle</i>				
Agricultural Research Foundation	Co-PI; D. W. Bohnert & R. F. Cooke	2010-2011	\$12,500	\$9,680
<i>Title: Protein supplementation of low-quality forage: Effects of amount and frequency of protein supplementation on ruminant performance and nutrient utilization</i>				

Agricultural Research Foundation	Co-PI; R. F. Cooke & D. W. Bohnert	2010-2011	\$12,500	--
<i>Title: Effects of Flunixin Meglumine treatment on health measures and performance of feedlot steers</i>				
Agricultural Research Foundation	Co-PI; R. F. Cooke & D. W. Bohnert	2010-2011	\$12,500	--
<i>Title: Effects of bovine somatotropin treatment on performance, reproductive, and physiological responses of replacement beef heifers</i>				
Agricultural Research Foundation	Co-PI; R. F. Cooke & D. W. Bohnert	2010-2011	\$12,500	\$12,500
<i>Title: Effects of energy supplementation frequency and forage quality on performance, reproductive, and metabolic responses of replacement beef heifers</i>				
Oregon Beef Council	Co-PI; R. F. Cooke & D. W. Bohnert	2009-2010	\$10,000	\$10,000
<i>Title: Effects of acclimation to handling on performance and reproductive development of replacement heifers</i>				
Oregon Beef Council	Co-PI; R. F. Cooke & D. W. Bohnert	2009-2010	\$10,000	\$10,000
<i>Title: Effects of disposition on reproductive performance of brood cows</i>				
USDA-NIFA Animal Health and Disease	Co-PI; R. F. Cooke & D. W. Bohnert	2009-2010	\$27,850	\$3,845
<i>Title: Bovine acute-phase response following corticotrophin-releasing Hormone Challenge</i>				
Agriculture Research Foundation	Co-PI; D. D. Johnson & D. W. Bohnert	2009-2010	\$12,500	--
<i>Title: Influence of varying levels of growing and dormant season defoliation on the persistence and productivity of crested wheatgrass (<i>Agropyron cristatum</i> L.)</i>				
Oregon Beef Council	PI; D. W. Bohnert	2008-2009	\$10,000	\$10,000
<i>Title: Late Gestation Protein Supplementation of Beef Cows: Effects on Calf Health, Performance, and Carcass Traits</i>				
Oregon Beef Council	PI; D. W. Bohnert	2008-2009	\$10,000	--
<i>Title: Oregon Cattlemen's Tour</i>				
USDA-NIFA Animal Health and Disease	PI; D. W. Bohnert	2007-2008	\$27,607	\$22,120
<i>Title: The ability of a yeast-derived cell wall preparation to minimize toxic effects of high-alkaloid tall fescue straw in beef cattle</i>				
Grass Seed Cropping Systems for Sustainable Agriculture	PI; D. W. Bohnert	2006-2007	\$34,808	--
<i>Title: The Ability of a Modified Glucomannan, MTB-100™, to Minimize Toxic Effects of High-Alkaloid Tall Fescue Grass Seed Straw</i>				

Agriculture Research Foundation	PI; D. W. Bohnert	2005-2007	\$10,000	--
<i>Title: The Ability of a Modified Glucomannan, FEB-200™, to Minimize Toxic Effects of High-Alkaloid Tall Fescue Grass Seed Straw</i>				
Grass Seed Cropping Systems for Sustainable Agriculture	PI; D. W. Bohnert	2005-2006	\$33,963	--
<i>Title: The Ability of a Modified Glucomannan, FEB-200™, to Minimize Toxic Effects of High-Alkaloid Tall Fescue Grass Seed Straw</i>				
Agriculture Research Foundation	PI; D. W. Bohnert	2004-2005	\$10,000	--
<i>Title: The Effects of Early Weaning on Cow Performance and Grazing Behavior in the intermountain West</i>				
Burns Paiute Tribe	Co-PI; D.W. Bohnert & L. Gow	2003	\$18,794	\$18,794
<i>Title: Feasibility Study and Business Plan for the Burns Paiute Tribe's Cattle Operations</i>				
USDA-NIFA Animal Health and Disease	PI; D. W. Bohnert	2002-2003	\$118,294	\$15,000
<i>Title: Evaluation of Endophyte Infected Tall Fescue Straw as a Forage Source for Ruminants</i>				
Agriculture Research Foundation	PI; D. W. Bohnert	2002-2003	\$4,980	\$4,980
<i>Title: Nutritional Evaluation of Forage Kochia – Development of a Forage Calendar</i>				
Grass Seed Cropping Systems for Sustainable Agriculture	Co-PI; D. W. Bohnert & C. Ackerman	2002-2003	\$20,505	\$20,505
<i>Title: Nutritional Evaluation of Perennial Ryegrass Straw as a Forage Source for Ruminants</i>				
WSARE Competitive Grants	PI; D. W. Bohnert	2002-2004	\$26,276	--
<i>Title: Nutritional Evaluation of Forage Kochia</i>				
Agriculture Research Foundation	PI; D. W. Bohnert	2001-2002	\$7,500	\$7,500
<i>Title: Comparison of Urea and Biuret as Nitrogen Supplements to Low-Quality Forage: Daily and Alternate Day Supplementation Effects on Ruminant Performance and Nutrient Utilization</i>				
Grass Seed Cropping Systems for Sustainable Agriculture	Co-PI; D. W. Bohnert & C. Ackerman	2001-2003	\$34,260	\$34,260
<i>Title: Nutritional Evaluation of Perennial Ryegrass Straw as a Forage Source for Ruminants</i>				
Agriculture Research Foundation	PI; D. W. Bohnert	2000-2001	\$7,500	--
<i>Title: Beet Pulp Supplementation of Beef Heifers Grazing Native Flood Meadows: Performance, Intake, Digestibility, and Ruminal Fermentation</i>				
Agriculture Research Foundation	PI; D. W. Bohnert	1999-2000	\$7,500	\$7,500
<i>Title: Protein Supplementation of Low-Quality Forage: Effects of Protein Degradability and Frequency of Supplementation on Ruminant Performance and Nutrient Utilization</i>				

Unrestricted Gifts and In-Kind Support				
Performix Nutrition	PI: D. W. Bohnert	2018	\$5,704	\$5,704
<i>Title: Implementation Meadow Creek Cattle Grazing Practices to Evaluate Compatibility with Recovery of Threatened Salmonids</i>				
Zoetis	PI: D. W. Bohnert	2018	\$22,200	\$22,200
<i>Title: EOARC Health & Reproduction Research & Cattle Management – University Product Support Program</i>				
Performix Nutrition	PI: D. W. Bohnert	2017	\$4,034	\$4,034
<i>Title: Implementation Meadow Creek Cattle Grazing Practices to Evaluate Compatibility with Recovery of Threatened Salmonids</i>				
Pfizer Animal Health	Co-PI; R. F. Cooke & D. W. Bohnert	2013	\$5,000	\$5,000
<i>Title: Metabolic imprinting: impact on reproductive development of beef heifers</i>				
Genex Cooperative, Inc.	Co-PI; R. F. Cooke, D. W. Bohnert , T. DelCurto, & C. Mueller	2011-2012	\$41,900	\$41,900
<i>Title: Incorporation of Sexed Semen into the 7-day CO-Synch+CIDR Estrous Synchronization Protocol</i>				
Pfizer Animal Health	Co-PI; R. F. Cooke & D. W. Bohnert	2010-2012	\$10,000	\$10,000
<i>Title: Incorporation of sexed semen into the 7-day CO-Synch + CIDR estrous synchronization protocol</i>				
Alltech, Inc.	PI; D. W. Bohnert	2005-2007	\$27,500	\$27,500
<i>Title: The Ability of a Modified Glucomannan, MTB-100™, to Minimize Toxic Effects of High-Alkaloid Tall Fescue Grass Seed Straw</i>				
AAA Land & Livestock	PI; D. W. Bohnert	2001-2002	\$1,000	\$1,000
<i>Title: Development of a nutritional calendar for use of forage kochia by ruminants</i>				
ADM/Moorman's	PI; D. W. Bohnert	2001-2002	\$13,500	\$13,500
<i>Title: Comparison of Urea and Biuret as Nitrogen Supplements to Low-Quality Forage: Daily and Alternate Day Supplementation Effects on Ruminant Performance and Nutrient Utilization</i>				
Western Stockmen's Inc.	PI; D. W. Bohnert	2000-2002	\$6,000	\$6,000
<i>Title: Influence of Protein Supplementation Frequency on Cows Consuming Low-Quality Forage: Performance, Intake, Harvest Efficiency, and Pasture Utilization</i>				
The Amalgamated Sugar Co.	PI; D. W. Bohnert	1999-2000	\$500	\$500
<i>Title: Beet Pulp Supplementation of Beef Heifers Grazing Native Flood Meadows: Performance, Intake, Digestibility, and Ruminal Fermentation</i>				
SoyPLUS/West Central Soy	PI; D. W. Bohnert	1999-2000	\$2,400	\$2,400
<i>Title: Protein Supplementation of Low-Quality Forage: Effects of Protein Degradability and Frequency of Supplementation on Ruminant Performance and Nutrient Utilization</i>				

University Service

Committees

- Search Committee for Interim Animal & Rangeland Sciences Department Head – **member**; 2018.
- Oregon State University Faculty Senate – **member**, 2018-2020.
- Search Committee for CAS Dean – **member**, 2017-2018
- Candidate Evaluation Panel for the USDA-ARS Research Leader of the Range and Meadow Forage Management Research Unit located at EOARC Burns – **member**, 2016
- Oregon State University College of Agricultural Sciences Sage Grouse Coordinating Committee – **member**; 2015 to present
- Oregon State University Institutional Animal Care and Use Committee – **alternate member**; 2015 to 2018
- Search Committee for Eastern Oregon Agricultural Research Center (Burns) Faculty Research Assistant – **member**, 2015
- Search Committee for Animal and Rangeland Sciences Assistant Professor, Rangeland Ecology/Wildlife Habitat – **member**; 2015
- Search Committee for College of Agriculture Sciences Associate Dean – **member**; 2015
- Blue Mountains Elk Initiative Partnership Committee (http://www.fs.fed.us/pnw/mdr/past/bmnri/research/initiatives_bme.shtml), Charter signing representative for OSU Extension & EOARC – **member**, 2015 to present
- OSU Animal and Rangeland Sciences Graduate Committee - **member**; 1999 to 2004; 2006 to present
- College of Agricultural Sciences Safety Advisory Council – **member**, 2012 to present
- Animal and Rangeland Sciences P&T Committee – **member**; 2012 to present
- Review Committee for OSU Forage/Livestock Research Small Grants Program – **member**, 2008 to 2015.
- EOARC Safety (OSU)/SHEM (Safety, Health, & Environmental Management; USDA-ARS) Committee – **member**, 2004 to present.
- Manning Becker Professional Development Fund Committee – **member**, 2012 to 2014
- Search Committee for Rangeland Ecology & Management Assistant Professor, Eastern Oregon Agricultural & Natural Resource Program – **Chair**; 2014
- Search Committee for Bio Science Research Technician II (EOARC Burns) – **member**, 2014
- Search Committee for County Faculty Position for Malheur County – **Chair**; 2013
- Search Committee for Animal and Rangeland Sciences Watershed/Riparian Assistant Professor – **member**, 2012.

- Search Committee for Animal and Rangeland Sciences Department Head – **member**, 2010 to 2011.
- Animal Science/Rangeland Ecology & Management Strategic Planning Committee – **member**, 2010.
- Search Committee for Extension Beef Specialist located at EOARC-Burns – **Chair**; 2008
- Search Committee for Animal Scientist/Beef Systems Position for EOARC-Union – **member**, 2007
- Search Committee for Rangeland/Livestock Extension position for Harney County – **member**, 2007
- Search Committee for Rangeland/Livestock Extension position for Malheur County – **member**, 2007
- Search Committee for Animal Scientist/Beef Systems Position for EOARC-Union - **Chair**; 2006
- Search Committee for Biological Sciences Research Technician 1 at Burns Station – **Chair**, 2005
- Search Committee for OSU Extension Beef Specialist (Corvallis) – **Chair**, 2005
- Executive Committee (OSU Animal Sciences Department) – **member**, 2002 to 2010
- Search Committee for Business and Information Technology Extension Agent (Harney County) – **member**, 2002
- Search Committee for Faculty Research Assistant at Burns Station – **member**, 2001
- Search Committee for Animal Scientist at EOARC-Union – **member**, 2000
- Search Committee for Forages Scientist at Klamath Basin Research & Extension Center – **member**, 2000
- Winter Nutrition Workgroup (OSU Extension) committee – **Co-chair**, 1999 to 2004

Other University Service

- Reviewer for 2017 CAS Faculty and Staff Awards Committee (Briskey Award for Faculty Excellence, Savery Outstanding Young Faculty Award, Roy G. Arnold/ ARF Leadership Award)
- OSU Search Advocate Training, July 2015
- Animal Care and Use contact for EOARC-Burns – **Supervisor**, 2002 to present
- Great Basin Environmental Program (<http://greatbasinenvironmentalprogram.org/>); **Oregon State University Representative**, 2014 to present
- Frontier Oregon Meeting. Invited participant in a discussion of the rationale and objective of Frontier Oregon (Scott Campbell, Silvies Valley Ranch). Participants included department heads, station directors and deans from the College of Forestry, College of Agricultural Sciences, Extension, OSU Cascades, and representatives of Silvies Valley Ranch. Bend, OR (June 16, 2014)

- Presented overview of OSU program at EOARC Burns and highlighted collaboration with USDA-ARS to Mark Boggess, ARS National Program Leader: Pasture, Forage, and Rangeland Systems. Burns, OR (April 1, 2014)
- Eastern Oregon Agricultural Tour. Provided overview of the OSU Research and Outreach programs at EOARC Burns to Oregon State Representatives Brad Witt and Lou Frederick and Senator Ted Ferrioli. Organized by the Oregon Cattlemen's Association and Oregon Cattlewomen's Association. Burns, OR (December 18, 2013)
- Guest on Representative Cliff Bentz's Radio Show (KSRV 1380 AM, Ontario; KBNH 1230 AM, Burns) to discuss importance of research and extension programming at EOARC to the people of Oregon (August 8, 2013)
- Oregon Wildfire Situation & Responses Meeting. Helped organize meeting and provided information. Representatives from Oregon Department of Agriculture, EOARC, Harney County Court, and EOARC Advisory Committee met at EOARC Burns to discuss the Wildfires in OR, NV, and ID (Oct. 9, 2012)
- Oregon Wildfire Situation & Planning Meeting. Helped organize meeting and provided information. Representatives from Governor's Office, BLM, ODFW, Harney and Malheur County Courts, Oregon Cattlemen's Association, EOARC, and EOARC Advisory Committee met at the Burns Airport to discuss the Wildfires in OR, NV, and ID (Oct. 7, 2012)
- Guest on Representative Cliff Bentz's Radio Show (KSRV 1380 AM, Ontario; KBNH 1230 AM, Burns) to discuss importance of research and extension programming at EOARC to the people of Oregon (June 20, 2012)
- Surgical skills – Provide surgical skill for IACUC approved projects
 - Steer ruminal surgeries (September 2013); 8 steers for EOARC-Burns
 - Steer ruminal surgery (July 2012); steer for OSU College of Veterinary Medicine
 - Dairy cow ruminal surgeries (May 2012); 2 cows for OSU Animal and Rangeland Sciences Department
 - Steer ruminal surgeries (August 2010); 9 steers for EOARC-Burns
 - Dairy cow ruminal surgeries (October 2006); 2 cows for OSU Animal Sciences Department
 - Steer ruminal surgeries (Oct. 2005); 16 steers for EOARC- Burns
 - Steer ruminal surgeries (June 2005); 6 heifers for EOARC Union
 - Lamb ruminal surgeries (June 2005); 4 lambs for OSU Animal Sciences Department
 - Lamb ruminal surgeries (July 2004); 6 lambs for OSU College of Veterinary Medicine
 - Dairy cow ruminal surgeries (March 2003); 2 cows for OSU Animal Sciences Department
 - Steer ruminal surgeries (Sept. 2002); 17 steers for EOARC- Burns & Union
 - Lamb ruminal surgeries (April 2002); 3 lambs OSU College of Veterinary Medicine
 - Steer ruminal surgeries (April 2001); 6 steers for EOARC Union

- Steer ruminal surgeries (August 2000); 6 steers for OSU Animal Sciences Department
- Steer duodenal surgeries (July 1999); 10 steers for EOARC Burns
- Steer ruminal surgeries (June 1999); 10 steers for EOARC Burns

Service to the Profession

Professional Association/Society Involvement

- Extension Committee; Western Section of the American Society of Animal Science; **member**, 2017 to 2018.
- Beef Symposium Committee; Western Section of the American Society of Animal Science; **Chair**, 2017 to 2018
- Beef Symposium Committee; Western Section of the American Society of Animal Science; **member**, 2016 to 2018
- Ruminant Nutrition/Non-Ruminant Nutrition Committee; Western Section of the American Society of Animal Science; **Chair**, 2015
- Animal and Range Sciences Department (Montana State University) External Review Team (John Tanaka, UW; Margaret Bensen WSU, and David Bohnert, OSU) – Bozeman, MT Oct 9-10, 2013
- Western Coordinating Committee (W2012) “Improving ruminant use of forages in sustainable production systems for the western U.S.”; **Secretary**, 2017; **Secretary-elect**, 2016; **member**, 2013 to present
- Pastures & Forages Committee; Western Section of the American Society of Animal Science; **Chair**, 2011
- Review Committee for Oregon Beef Council Animal Science Grant Program – **member**, 2008 to 2013
- USDA/CSREES Project: Nitrogen Cycling, Loading, and Use Efficiency in Forage Livestock Production Systems Committee – **member**, 2008 to 2013
- Awards Committee; Western Section of the American Society of Animal Science - **member**, 2007 to 2009
- Ruminant Nutrition: Joint Program Committee of the American Society of Animal Science and American Society of Dairy Science – **Chair**, 2006
- Ruminant Nutrition: Joint Program Committee of the American Society of Animal Science and American Society of Dairy Science – **vice-chair**, 2005
- Ruminant Nutrition: Joint Program Committee of the American Society of Animal Science and American Society of Dairy Science - **member**, 2004
- Graduate Competition Committee; Western Section of the American Society of Animal Science – **member**, 2004 to 2007
- Alpha Beef Cattle Symposium Committee; American Society of Animal Science - **member**, 2004

- Extension Committee; Western Section of the American Society of Animal Science – **member**, 2000 to 2002
- Society for Range Management; **member**; 2006 to 2013
- American Society of Animal Science; **member**; 1994 to present
- American Dairy Science Association; **member**; 1994 to 2006

Editorial experience

- **Section Editor**; Livestock and Rangeland; OSU Extension Communications; 2017 to present
- **Assistant Section Editor**; Ruminant Nutrition/Pasture & Forages; Western Section of the American Society of Animal Science; 2016
- **Section Editor**; Ruminant Nutrition/Non-Ruminant Nutrition; Western Section of the American Society of Animal Science; 2015
- Integrated Resource Management (IRM) Pocket Reference Book - National Cattlemen's Beef Association; Invited review, 2012
- **Section Editor**; Pastures & Forages; Western Section of the American Society of Animal Science; 2011
- **Section Editor**; Nutrition; OSU Beef Cattle Library, 2009 to present
- **Section Editor**; Management; OSU Beef Cattle Library, 2009 to present
- **Section Editor**; Hay Production; OSU Beef Cattle Library, 2009 to present
- **Associate Editor**; Nutrition Section; American Society of Animal Science, 2007 to 2009
- **Section Editor**; Ruminant Nutrition: Joint Program Committee of the American Society of Animal Science and American Society of Dairy Science; 2006
- **Editorial Board**; American Society of Animal Science, 2005 to 2007
- **Section Co-Editor**; Nutrition; Cow-Calf Management Guide and Cattle Producer's Library; Western Beef Resource Committee (WBRC), 1999 to 2006

Service to the Public (professionally related)

- Crane, OR Science Fair; **judge**, 2018
- Harney County Youth Initiative Planning Committee; **member**, 2017 to present
- Harney County Technical Advisory Committee - Public Land Use; **member**, 2017 to present
- Burns FFA Alumni Committee; **member**, 2015 to present
- Interview concerning Oregon Beef Production and Brazilian Beef Production. Published by BeefPoint in Brazil <http://www.beefpoint.com.br/cadeia-produtiva/entrevistas/conheca-dr-david-w-bohnert-diretor-do-centro-de-pesquisa-da-universidade-de-oregon-eua-e-sua-visao-sobre-a-producao-brasileira-de-bovinos-de-corte/> (accessed 6/18/2015)
- Harney School District Science Fair; **judge** (March 8, 2014)

- Cattlemen's College Organizing Committee, Oregon Cattlemen's Association - **member**, 2010 to present
- Harney County Fair Livestock Sale Committee; **member**, 2008 to 2014.
- Harney County Stockgrower's Association – **President**, 2008 to 2010
- Phillip W. Schneider Wildlife Area Tour (August 7, 2007); Organized a tour, requested by Steve Allen of the wildlife area, consisting of BLM, ODFW, ARS, and OSU employees to evaluate and make recommendations concerning medusa head invasion, declining deer numbers, decadent bitterbrush stands, and wolfy forage
- Burns FFA Advisory Committee; **member**, 2005 to present
- Burns FFA Interview; participated in a radio interview concerning Mad Cow Disease and nvCJD, Jan. 10, 2005
- Harney County National Beef Ambassador Competition; **judge**, 2000
- Harney County Hay & Forage Association – **Secretary**, 2000 to 2006
- Oregon Cattlemen's Association – **member**, 1999 to present
- Harney County Stockgrower's Association – **member**, 1999 to present

Service to the Public (non-professionally related)

- Harney County Minor League Baseball Coach (Team: Mariners) - 2016
- Heartsaver First Aid CPR & AED Training – 2010, 2012, 2015
- Harney County Mounted Search & Rescue Team – **member**, 2002 to 2006

Awards

2016 Briskey Award for Faculty Excellence (Oregon State University; College of Agricultural Sciences) - Recognizing faculty achievement within the College of Agricultural Sciences at Oregon State University

2005 Young Scientist Award (Western Section American Society of Animal Science) – Established to recognize outstanding research achievement by young members of the Western Section of the American Society of Animal Science.