

Eric J. Scholljegerdes

Curriculum Vita

Office Address:

New Mexico State University
Department of Animal and Range Sciences
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Academic Background:

<u>Date</u>	<u>Degree</u>	<u>Institution</u>	<u>Subject Area</u>
2005	Ph.D.	University of Wyoming	Animal Science (Ruminant Nutrition) <i>Amino acid and fatty acid nutrition in beef cattle consuming forage-based diets</i>
2001	M. S.	University of Wyoming	Animal Science (Ruminant Nutrition) <i>Balancing supply of amino acids to the small intestine of cattle fed limited amounts of forage</i>
1998	B. S.	University of Missouri-Columbia	<i>Major: Animal Science Minor: Biology</i>

Professional Advancement:

June 2015 – Present	Associate Professor, Department of Animal and Range Sciences, NMSU; Chairman, NMSU Corona Range and Livestock Research Center steering committee; Chair of the NMSU Campus Livestock Education and Research Center steering committee; Supervisor of NMSU ANRS Chromatography lab; Chair-elect of NMSU Graduate School Council
April 2010 – 2015	Assistant Professor, Department of Animal and Range Sciences, NMSU; Chairman, NMSU Corona Range and Livestock Research Center steering committee; Chair of the NMSU Campus Livestock Education and Research Center steering committee; Supervisor of NMSU ANRS Chromatography lab
January 2006 – Present	Adjunct Faculty member, Dept. Animal and Range Sciences, NDSU
March 2008 – April 2010	Research Animal Scientist, USDA-ARS, Northern Great Plains Research Laboratory (GS-12)
January 2005 – March 2008	Research Animal Scientist, USDA-ARS, Northern Great Plains Research Laboratory (GS-11)
August 1998- January 2005	Graduate Research Assistant University of Wyoming
August 1998- June 1999	Research Assistant - Research Farm University of Wyoming
June 1996 – June 1998	Assistant Beef Unit Manager University of Missouri-Columbia
June 1995 – May 1996	Assistant Sheep Unit Manager University of Missouri-Columbia

Professional Memberships:

American Society of Animal Science
American Registry of Professional Animal Scientists
Crop Science Society of America
New Mexico Cattle Growers Association
Society for Range Management
Gamma Sigma Delta

Graduate Committees:

Jacyln Neff, M.S., NMSU Dept. Anim. Range Sci. start in 2022
Dayna Campbell, M.S., NMSU, Dept. Anim. Range Sci. 2020-Present (**Co-Advisor**).
Micayla Crimmins, M.S., NMSU, Dept. Anim. Range Sci. 2019-Present (**Advisor**).
Alexis Selman, M.S., NMSU, Dept. Anim. Range Sci. 2018-Present (**Advisor**).
Emily Melchoir, PhD, NMSU, Dept. Anim. Range Sci., 2018-Present (**Co-Advisor**).
Lyndi Bryant, PhD, NMSU, Dept. Anim. Range Sci., 2020-Present (**Co-Advisor**)
Collin Anderson, M.S., NMSU, Dept. Anim. Range Sci., 2019-Present.
Maria Chavez, M.S., NMSU, Dept. Anim. Range Sci. 2019-Present.
Itzel Duran, M.S., NMSU, Dept. Anim. Range Sci., 2019-Present.
Joaquin Zamudio, PhD, NMSU, Dept. Anim. Range Sci. 2018-Present.
Alejandro Sanchez, PhD, NMSU, Dept. Anim. Range Sci. 2018-Present.
Collin Tobin, PhD., NMSU Dept. Anim. Range Sci., 2020.
Shelby Rosasco, PhD., NMSU, Dept. Anim. Range Sci., 2020.
Elisa Trigo, M.S., NMSU, Dept. Anim. Range Sci., 2020.
Mary Catey, M.S., NMSU, Dept. Anim. Range Sci., 2019 (**Co-Advisor**)
Tara Young, PhD., NMSU, Dept. Psychology, 2019 (**Deans rep**)
Brandon Meyerhoff, M.S., NMSU, Dept. Anim. Range Sci., 2018 (**Advisor**)
Cheyenne Robinson, PhD., NMSU, Dept. Anim. Range Sci., 2018.
Shiann Burns, M.S., NMSU, Dept. Anim. Range Sci., 2018.
Zachary Flowers, M.A. NMSU, Dept. Ag Education, 2018. (**Deans rep**)
Caitlyn Hebbert, NMSU, Dept. Animal Range Sci., 2018.
Alyssa Oates, NMSU, Dept. Anim. Range Sci., 2018.
Daniel Chavez, M.S., NMSU, Dept. Anim. Range Sci., 2018.
Jorge Rodela, M.S., NMSU Dept. Anim. Range Sci., 2017.
Kathryn Smith, M.S., NMSU Dept. Anim. Range Sci., 2017.
Brandon Smythe, Ph.D., NMSU, Dept. Anim. Range Sci., 2017.
Joslyn Beard, M.S., NMSU, Dept. Anim. Range Sci., 2017 (**Co-Advisor**).
Eben Oosthuysen, Ph.D, NMSU, Dept. Anim. Range Sci., 2017 (**Co-Advisor**).
Kacie McCarthy, M.S. NMSU, Dept. Anim. Range Sci., 2016 (**Advisor**).
Matthew Herrington, M.S. NMSU Dept. Anim. Range Sci., 2016.
Kelsey Quinn, Ph.D., NMSU, Dept. Anim. Range Sci., 2016.
Shelby Rosasco, M.S., NMSU, Dept. Anim. Range Sci., 2016.
Jacqueline Alford, M.S., NMSU, Dept. Anim. Range Sci., 2016.
Joseph Castro, M.S., NMSU, Dept. Anim. Range Sci., 2016.
Lyndi Owensby, M.S., NMSU, Dept. Anim. Range Sci., 2015 (**Advisor**).
Katelin Marchetti, M.S., NMSU, Dep. Anim. Range Sci., 2015
Trevor Morgan, M.S., NMSU, Dept. Anim. Range Sci., 2015.
Allison Salazar, M.S., NMSU, Dept Anim. Range Sci., 2015.
Margaret Garcia, M.S., NMSU, Dept. Anim. Range Sci., 2015 (**Advisor**).
Colleen Buck, M.S., NMSU, Dept. Anim. Range Sci., 2015 (**Co-Advisor**).

Whitney Stewart, Ph.D., NMSU and TAMU, Dept of Anim. and Rng. Sci., 2015. (**Advisor**).
Laura Goodman, Ph.D. NMSU, Dept. Anim. Range Sci., 2015.
Leah Schmitz, M. S., NMSU, Dept. Anim. Range Sci., 2014 (**Advisor**).
James Graves, M. S., NMSU, Dept. Anim. Range Sci., 2014 (**Advisor**).
Clayton Gardner, M. S., NMSU, Dept. Anim. Range Sci., 2014 (**Advisor**).
Mitch Stephenson, Ph.D. NMSU, Dept. Anim. Range Sci., 2014.
Brandon Smythe, M.S. NMSU, Dept. Anim. Range Sci., 2014.
Christopher Shelly, M.S. NMSU, Dept. Anim. Range Sci., 2012.
Melanie Beckman, M. S., NMSU, Dept. Anim. Range Sci., 2012.
Vanessa Prileson, M. S. NMSU, Dept. Anim. Range Sci., 2012.
Kali Benson, M. A., NMSU, Dept. Anim. Range Sci., 2012.
Kelsey Quinn, M. S., NMSU, Dept. Anim. Range Sci., 2012.
Nigel Miller, M.S., NMSU, Dept. Anim. Range Sci., 2012 (**Advisor**).
Travis Mulliniks, Ph.D., NMSU, Dept. Anim. Range Sci., 2012 (**Advisor**).
Katie Taylor, M. S., NMSU, Dept. Anim. Range Sci., 2012.
Cody Terpening, M. S., NMSU, Dept. Anim. Range Sci., 2011.
Breanne Isles, M.S., NDSU, Dept. Anim. Range Sci., 2011.
Philippe Moriel, M.S., U. Wyoming, Department of Anim. and Vet. Sci., 2010.
Will Schultz, M.S., U. Wyoming, Department of Animal and Veterinary Sciences. 2009.

Professional Committees:

ASAS Executive Board – Western Section Representative, 2019-Present
Grazing Livestock Nutrition Conference planning committee, Chair, 2015-Present
WSASAS, Beef Symposium Committee, 2014-Present
President, Gamma Sigma Delta, 2014-2015
Member, Western Coordinating Committee on Improving Ruminant Use of Forages in Sustainable Production Systems for the Western U.S. (W-1012), 2010 – Present.
Chairman, Western Coordinating Committee on Improving Ruminant Use of Forages in Sustainable Production Systems for the Western U.S. (W-1012), 2010 – 2011.
ADSA Lactational Biology Coordinating Committee 2010-2013 (Chair).
WSASAS Advising and Coordinating Committee 2011-2013.
WSASAS Graduate Student Competition Committee 2011-2013.

NMSU Committees:

Elected Member, Chair, NMSU Graduate School Council 2019-2020
Elected Member, Chair, NMSU Graduate School Council 2018-2019
Elected Member, Chair-elect, NMSU Graduate School Council 2017
Elected Member, Secretary, NMSU Graduate School Council 2016
Chair, Corona Range and Livestock Research Center Steering Committee
Chair, Department of Animal and Range Sciences Campus Livestock Education and Research Center Steering Committee
Department of Animal and Range Sciences Graduate committee
Department of Animal and Range Sciences Library liaison
Department of Animal and Range Sciences, WSASAS meeting committee, 2014-2015
Search Committees – 5 positions to date

Reviewer/Editor Activities:

Division Editor – Ruminant Nutrition

Journal of Animal Science 2014-2017

Associate Editor – Livestock Foraging and Nutrition

Rangeland Ecology and Management 2011 – 2014

Associate Editor – Production

Journal of Animal Science 2008 – 2011

Editorial Board

Journal of Animal Science 2006 – 2008

Ad hoc reviewer

National Research Council, 2015 Nutrient Requirements for Beef Cattle, National Academy of Sciences

Animal Journal

Feed Science and Technology

Journal of Dairy Science

Forage and Grazinglands

Lipids

Renewable Agriculture and Food Systems

Grant proposal reviews

USDA-NIF – Pre and Post-doctoral Fellowship – Grant review panelist, 2018, 2021

USDA-NIFA – Food Security and Animal Losses Program – Grant review panelist, 2014

Alberta Livestock and Meat Agency

Teaching Experience:

Animal Science 2340, Intro to Genetics for Animal Production; 2018-Present

Animal Science 1170, Introduction to Animal Metabolism; 2020-Present

Animal Science/Range Science 402, Animal Science Seminar, 2020-Present

Animal Science 426, Beef Cattle Production, NMSU 2012-2014; 2019-Present

Animal Science 484, Ruminant Nutrition, NMSU 2010- Present

Animal Science 510, Range Nutrition Techniques, NMSU 2010-Present

Animal Science 515, Graduate seminar, NMSU 2010- Present

Animal Science 521, Advanced nutritional management II: Cow Calf/Stocking, NMSU 2010- Present

Undergraduate Research Mentoring

Mentor, Shellby Tacheney, NM AMP, Undergraduate Research Experience, 2021

Mentor, Shellby Tacheney, Howard Hughes Medical Institute Research Fellow, 2019

Mentor, Bryce Bitsie, NM AMP, Undergraduate Research Experience, 2018.

Supervisor, Josiah Brooks, USDA- HSI – Leaders program. 2017.

Mentor, Brandon Meyerhoff, Howard Hughes Medical Institute Research Fellow, 2014-2015

Supervisor, Yasmeen Gurmendi, Howard Hughes Medical Institute Scholar, 2013

Supervisor, Kelsey Tibke, Bismarck State College, Internship Program, 2009

Supervisor, Jessica Hauge, Bismarck State College, Internship Program, 2008

Mentor, Tori Lange, North Dakota Stockman's Association High School Mentorship Program, 2008.

Mentor, Cole Erickson, Shiloh Christian School, Senior Mentorship program, 2006

Mentor, Lacey Maier, North Dakota Stockman's Association High School Mentorship Program, 2006.

Publications:

Refereed Journals (60 published)

1. Lauriault, L. M., L. H. Schmitz, S. H. Cox, G. C. Duff, and **E. J. Scholljegerdes**. 2021. A comparison of native grass and triticale pastures during late winter for growing cattle in semiarid, subtropical regions. *Animals*. (Submitted).
2. Ontiveros,-Magadan, M., R. C. Anderson, O. Ruiz-Barrera, C. Arzola-Alvarez, J. Salinas-Chavira, M. E. Hume, **E. J. Scholljegerdes**, R. B. Harvey, and Y. Castillo-Castillo. 2021. Evaluation of potential technologies to inhibit growth of select gram-positive pathogenic or antimicrobial resistant bacteria in air-exposed silage. *Can. J. Anim. Sci.* 101:(*Accepted with revision*)
3. Lauriault, L. M., L. H. Schmitz, S. H. Cox, and **E. J. Scholljegerdes**. 2021. A comparison of pearl millet and sorghum-sudangrass pastures during the frost-prone autumn for growing beef cattle in semiarid regions. *Agriculture*. 11:541-549. doi: 10.3390/agriculture11060541.
4. Smith, W. **E. J. Scholljegerdes**, M. L. Galyean, C. Kallenbach, and P. Greenwood. 2021. Board-invited review: Understanding intake on pastures: How, why, and a way forward. *J. Anim. Sci.* 99:1-17. doi:10.1093/jas/skab062
5. Van Emon, M. L., P. J. Gunn, M. K. Neary, R. P. Lemenager, **E. J. Scholljegerdes**, and S. L. Lake. 2020. Effects of added dietary protein and fat on subcutaneous adipose tissue and longissimus muscle fatty acid profiles of finishing lambs when fed differing levels of dried distillers grains with solubles. *Sheep and Goat J.* 35:10-16.
6. Hendrickson, J. R., S. L. Kronberg, and **E. J. Scholljegerdes**. 2020. Can targeted grazing reduce abundance of invasive perennial grass (Kentucky bluegrass) on native mixed-grass prairie? *Range. Ecol. Mgmt.* 73:547-551. doi: 10.1016/j.rama.2020.04.001.
7. Stewart, W. C., T. R. Whitney, **E. J. Scholljegerdes**, D. L. Waldron, J. W. Walker, R. P. Adams and J. M. B. Musser. 2019. Ruminal fermentation characteristics of goats selectively bred to have greater consumption of juniper foliage. *Anim. Feed Sci. Technology.* 256:114240. doi:10.1016/j.anifeedsci.2019.114240.
8. Beard, J. K., G. A. Silver, **E. J. Scholljegerdes**, and A. F. Summers. 2019. The effect of precipitation received during gestation on progeny performance in Box indicus influenced beef cattle. *Trans. Anim. Sci.* 3:256-262.
9. Smythe, B. G., M. E. Wise, A. Cibils, D. VanLeeuwen, A. Summers, and **E. J. Scholljegerdes**. 2019. Growth and reproductive performance of beef-cattle as influenced by controlled and uncontrolled populations of horn flies (Diptera:Muscidae). *J. Econ. Ento.* 112: 969-973.
10. Summers, A. F., and **E. J. Scholljegerdes**. 2019. Developmental Resiliency: In utero adaptation to environmental stimuli. *Vet. Clinic. Food Anim. Pract.* 35:365-378.
11. Glasscock, J. L., T. R. Whitney, J. R. Navarro, S. G. Angle, A. R. Holmes, W. C. Stewart, and **E. J. Scholljegerdes**. 2018. Substituting ground woody plants for cottonseed hulls in kid goat feedlot diets: growth performance and blood serum chemistry. *J. Anim. Sci.* 96:2851-2860.
12. Whitney, T. R., J. L. Glasscock, J. P. Muir, W. C. Stewart, and **E. J. Scholljegerdes**. 2017. Substituting ground woody plants for cottonseed hulls in lamb feedlot diets: growth performance, blood serum chemistry, and rumen fluid parameters. *J. Anim. Sci.* 95: 4150-4163
13. Stewart, W. C., T. R. Whitney, **E. J. Scholljegerdes**, D. M. Hallford, J. W. Walker, R. P. Adams, and H. D. Naumann. 2017. Effects of feeding ground redberry juniper (*Juniperus pinchotii*) to gestating ewes on pre- and postpartum performance, serum metabolites and hormones, milk fatty acid composition and progeny preweaning performance. *J. Anim. Sci.* 95:4113-4123.
14. Green, M. A., B. K. Whitlock, J. L. Edwards, **E. J. Scholljegerdes**, and J. T. Mulliniks. 2017. Rumen-protected arginine alters blood flow parameters and luteinizing hormone concentration

- in cyclic beef cows consuming endophyte-infected tall fescue seed. *J. Anim. Sci.* 95:1537-1544 doi:10.2527/jas2016.1309.
15. Smythe, B. G., S. Urias, M. E. Wise, **E. J. Scholljegerdes**, A. F. Summers, and D. W. Bailey. 2017. Comparing visual and digital counting methods to estimate horn fly (Diptera: Muscidae) populations on cattle. *J. Med. Ento.* 54:980-984.
 16. Kronberg, S. L., **E. J. Scholljegerdes**, R. J. Maddock, G. Barcelo-Coblijn, and E. J. Murphy. 2017. Rump and shoulder muscles from grass and linseed fed cattle as important sources of n-3 fatty acids for beef consumers. *European J. Lipid Res.* 119: in-press. dx.doi.org/10.1002/ejlt.201600390
 17. Liebig, M. A., J. Ryschawy, S. L. Kronberg, D. W. Archer, **E. J. Scholljegerdes**, J. R. Hendrickson, and D. L. Tanaka. 2017. Integrated crop-livestock systems effects on soil N, P, and pH in a semiarid region. *Geoderma.* 289:178-184.
 18. **Scholljegerdes, E. J.**, and A. F. Summers. 2016. How do we identify energetically efficient grazing animals? *J. Anim. Sci.* 94 (Suppl 6): 103-109. doi: 10.2527/jas.2016-0653
 19. Goodman L., A. Cibils, R. Wesley, T. Mulliniks, M. Petersen, **E. Scholljegerdes**, and S. Cox. 2016. Temperament affects rangeland use patterns and reproductive performance of beef cows. *Rangelands* 381-5. doi: 10.1016/j.rala.2016.07.002
 20. Stewart, W. C., T. R. Whitney, **E. J. Scholljegerdes**, R. P. Adams, H. D. Naumann, N. M. Cherry, K. D. Welch, and D. R. Gardner. 2015. Effects of Juniperus species and stage of maturity on nutritional, in vitro digestibility, and plant secondary compound characteristics *J. Anim. Sci.* 93:4034-4047.
 21. **Scholljegerdes, E. J.**, L. A. Lekatz, and K. A. Vonnahme. 2014. Effects of short-term oilseed supplementation on plasma fatty acid composition, progesterone, and prostaglandin F metabolite in lactating beef cows. *Animal* 7: 777-785.
 22. Arias, R. P., L. J. Unruh-Snyder, **E. J. Scholljegerdes**, A. N. Baird, K. D. Johnson, D. Buckmaster, R. P. Lemenager, and S. L. Lake. 2013. Effects of feeding corn modified-wet distiller's grains plus solubles co-ensiled with chopped whole-plant corn on heifer growth performance, and diet digestibility in beef cattle. *J. Anim. Sci.* 91:4366-4373.
 23. Mulliniks, J. T., M. E. Kemp, R. L. Endecott, S. H. Cox, A. J. Roberts, R. C. Waterman, T. W. Geary, **E. J. Scholljegerdes**, and M. K. Petersen. 2013. Does β -hydroxybutyrate concentration influence conception date in young postpartum range beef cows? *J. Anim. Sci.* 91: 2902-2909.
 24. Mulliniks, J. T., D. E. Hawkins, K. K. Kane, S. H. Cox, L. A. Torell, **E. J. Scholljegerdes**, and M. K. Petersen. 2013. Metabolizable protein supply while grazing dormant winter forage during heifer development alters pregnancy and subsequent in-herd retention rate. *J. Anim. Sci.* 91: 1409-1416.
 25. Kronberg, S. L., **E. J. Scholljegerdes**, E. J. Murphy, R. E. Ward, T. D. Maddock, and C. S. Schauer. 2012. Treatment of flaxseed to reduce biohydrogenation of α -linolenic acid by ruminal microbes in sheep and cattle and increase n-3 fatty acid concentrations in red meat. *J. Anim. Sci.* 90:4618-4624.
 26. Arias, R. P., L. J. Unruh-Snyder, **E. J. Scholljegerdes**, A. N. Baird, K. D. Johnson, D. Buckmaster, R. P. Lemenager, and S. L. Lake. 2012. Effects of feeding corn modified wet distiller's grain plus solubles co-ensiled with direct cut forage on feedlot performance, carcass characteristics and diet digestibility of finishing steers. *J. Anim. Sci.* 90:3574-3583.
 27. Liebig, M. A., D. L. Tanaka, S. L. Kronberg, **E. J. Scholljegerdes**, and J. F. Karn. 2011. Integrated crops and livestock in central North Dakota, USA: Agroecosystem management to buffer soil change. *Renew. Ag. Fd. Syst.* 23: 80-86.
 28. Liebig, M.A., D.L. Tanaka, S.L. Kronberg, **E. J. Scholljegerdes**, and J.F. Karn. 2011. Soil hydrological attributes of an integrated crop-livestock agroecosystem: Increased adaptation through resistance to soil change. *Appl. Environ. Soil Sci.* 27:115-124.

29. Kronberg, S.L., **E. J. Scholljegerdes**, A.N. Lepper, and E.P. Berg. 2011. The effect of flaxseed supplementation on growth, carcass characteristics, fatty acid profile, retail shelf life, and sensory characteristics of beef from steers finished on grasslands of the northern Great Plains. *J. Anim. Sci.* 89: 2892-2903.
30. **Scholljegerdes, E. J.**, L. A. Lekatz, and K. A. Vonnahme. 2011. Effects of short-term oilseed supplementation on reproductive performance in beef heifers. *Can. J. Anim. Sci.* 91:75-79.
31. Maiga, H. A., M. L. Bauer, C. R. Dahlen, M. Badaruddin, and **E. J. Scholljegerdes**. 2011. Mustard bran in lactating dairy cow diets. *J. Dairy Sci.* 94:3054-3062.
32. **Scholljegerdes, E. J.**, W. J. Hill, H. T. Purvis, L. A. Voigt, and C. S. Schauer. 2010. Effects of supplemental cobalt on nutrient digestion and nitrogen balance in lambs fed forage-based diets. *Sheep and Goat Res. J.* 25:74-77.
33. Murrieta, C. M., B. W. Hess, S. L. Lake, **E. J. Scholljegerdes**, and D. C. Rule. 2010. Body condition score at parturition and day of lactation regulate mRNA abundance in milk somatic cells and transcription factors and fatty acid transporters in adipose tissue of beef cows. *Livest. Sci.* 131:65-72.
34. **Scholljegerdes, E. J.** and S. L. Kronberg. 2010. Effects of supplemental ground flaxseed fed to beef cattle grazing summer native range on the northern Great Plains. *J. Anim. Sci.* 88:2108-2121.
35. **Scholljegerdes, E. J.**, B. W. Hess, M. H. J. Grant, S. L. Lake, B. M. Alexander, T. R. Weston, D. L. Hixon, E. A. Van Kirk, and G. E. Moss. 2009. Effects of feeding high-linoleate safflower seeds on postpartum reproduction in beef cow. *J. Anim. Sci.* 87: 2985-2995.
36. Phillips, R., O. Beeri, **E. Scholljegerdes**, D. Bjergaard, and J. Hendrickson. 2009. A satellite data-driven model for estimating grazing capacity in northern prairie. *Ag. Syst.* 100:72-79.
37. **Scholljegerdes, E.**, and S. Kronberg. 2008. Influence of supplemental whole flaxseed on forage intake and site and extent of digestion in beef heifers consuming native grass hay. *J. Anim. Sci.* 86:2310-2320.
38. Galbreath, C. W., **E. J. Scholljegerdes**, G. P. Lardy, K. G. Odde, M. E. Wilson, J. W. Schroeder, and K. A. Vonnahme. 2008. Effect of feeding flax or linseed meal on progesterone clearance rate in ovariectomized ewes. *Dom. Anim. Endo.* 35:164-169
39. Tanaka, D. L., J. F. Karn, and **E. J. Scholljegerdes**. 2008. Integrated crop/livestock systems research: Practical research considerations. *Renew. Agric. Food Syst.* 23:80-86.
40. Kronberg, S. L., **E. J. Scholljegerdes**, G. Barceló-Coblijn, and E. J. Murphy. 2007. Flaxseed treatments to reduce biohydrogenation of α -linolenic acid by rumen microbes in cattle. *Lipids* 42: 1105-1111.
41. **Scholljegerdes, E. J.**, S. L. Lake, T. R. Weston, D. C. Rule, G. E. Moss, T. M. Nett, and B. W. Hess. 2007. Fatty acid composition of plasma, medial basal hypothalamus, and uterine tissue in primiparous beef cows fed high-linoleate safflower seeds. *J. Anim. Sci.* 85:1555-1564.
42. Lake, S. L., T. R. Weston, **E. J. Scholljegerdes**, C. M. Murrieta, B. M. Alexander, D. C. Rule, G. E. Moss, and B. W. Hess. 2007. Effects of postpartum dietary fat and body condition score at parturition on plasma, adipose tissue, and milk fatty acid composition of lactating beef cows. *J. Anim. Sci.* 85:717-730.
43. Murrieta, C. M., B. W. Hess, **E. J. Scholljegerdes**, T. E. Engle, K. L. Hossner, G. E. Moss, and D. C. Rule. 2006. Evaluation of milk somatic cells as a source of mRNA for study of lipogenesis in the mammary gland of lactating beef cows supplemented with dietary high-linoleate safflower seeds. *J. Anim. Sci.* 84: 2399-2405.
44. Lake, S. L., **E. J. Scholljegerdes**, T. R. Weston, D. C. Rule, and B. W. Hess. 2006. Postpartum supplemental fat, but not maternal body condition score at parturition, affects plasma and adipose tissue fatty acid profiles of suckling beef calves. *J. Anim. Sci.* 84:1811-1819.

45. Lake, S. L., **E. J. Scholljegerdes**, W. T. Small, E. L. Belden, S. I. Paisley, D. C. Rule, and B. W. Hess. 2006. Immune response and serum immunoglobulin G concentrations in beef calves suckling cows of differing body condition score at parturition and supplemented with high-linoleate or high-oleate safflower seeds. *J. Anim. Sci.* 84:997-1003.
46. Lake, S. L., **E. J. Scholljegerdes**, D. M. Hallford, G. E. Moss, D. C. Rule, and B. W. Hess. 2006. Effects of body condition score at parturition and postpartum supplemental fat on metabolite and hormone concentrations of beef cows and their suckling calves. *J. Anim. Sci.* 84:1038-1047.
47. Lake, S. L., **E. J. Scholljegerdes**, V. Nayigihugu, C. M. Murrieta, R. L. Atkinson, D. C. Rule, T. J. Robinson, and B. W. Hess. 2006. Effects of body condition score at parturition and postpartum supplemental fat on adipose tissue lipogenic activity of lactating beef cows. *J. Anim. Sci.* 84: 397-404.
48. Atkinson, R. L., **E. J. Scholljegerdes**, S. L. Lake, V. Nayigihugu, B. W. Hess, and D. C. Rule. 2006. Site and extent of digestion and duodenal and ileal flow of total and esterified fatty acids in sheep fed a high-concentrate diet supplemented with high-linoleate safflower oil. *J. Anim. Sci.* 84:387-396.
49. Lake, S. L., **E. J. Scholljegerdes**, R. L. Atkinson, V. Nayigihugu, S. I. Paisley, D. C. Rule, G. E. Moss, T. J. Robinson, and B. W. Hess. 2005. Body condition score at parturition and postpartum supplemental fat effects on cow and calf performance. *J. Anim. Sci.* 83:2908-2917.
50. **Scholljegerdes, E. J.**, B. W. Hess, and P. A. Ludden. 2005. Effect of restricted forage intake on ruminal disappearance of a blood meal, feather meal, and fish meal supplement. *J. Anim. Sci.* 83:2146-2150.
51. **Scholljegerdes, E. J.**, T. W. Weston, P. A. Ludden, and B. W. Hess. 2005. Supplementing a ruminally undegradable protein supplement to maintain essential amino acid supply to the small intestine when forage intake is restricted in beef cattle. *J. Anim. Sci.* 83:2151-2161.
52. Hess, B. W., S. L. Lake, **E. J. Scholljegerdes**, T. R. Weston, V. Nayigihugu, J. D. C. Molle, and G. E. Moss. 2004. Nutritional controls of beef cow reproduction. *J. Anim. Sci.* 83(E. Suppl.):E90-E106.
53. **Scholljegerdes, E. J.**, B. W. Hess, G. E. Moss, D. L. Hixon, and D. C. Rule. 2004. Influence of supplemental high-linoleate or high-oleate cracked safflower seeds on site and extent of disappearance in beef cattle. *J. Anim. Sci.* 82:3577-3588.
54. **Scholljegerdes, E. J.**, B. W. Hess, and P. A. Ludden. 2004. Site and extent of digestion and amino acid flow to the small intestine in beef cattle consuming limited amounts of forage. *J. Anim. Sci.* 84: 1146-1156.
55. Gould, J., **E. J. Scholljegerdes**, P. A. Ludden, D. C. Rule, and B. W. Hess. 2003. Effect of ethanol supplementation on in vitro digestion and VFA production and growth performance of newly weaned lambs. *Sheep Goat Res. J.* 18:55-60.
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