

HUBERT "TREY" HENRY PATTERSON, III, Ph.D.

8420 US Hwy 14
Ranchester, WY 82839
work: (307) 655-2264
cell: (307) 461-1001
trey@padlockranch.com

EDUCATION

Doctor of Philosophy, University of Nebraska, Lincoln
Major: Animal Science/Ruminant Nutrition
Graduated: 2001

Master of Science, Colorado State University, Ft. Collins
Major: Animal Science/Ruminant Nutrition
Graduated: 1997

Bachelor of Science, Colorado State University, Ft. Collins
Major: Animal Science
Graduated: 1995

PROFESSIONAL EXPERIENCE

President and CEO, Padlock Ranch Company: July 2014 –present

Chief Operations Officer, Padlock Ranch Company: January 2008 – July 2014

Assistant to CEO, Padlock Ranch Company: October 2005 - Dec 2007

Assistant Professor, Extension Beef Specialist, South Dakota State University:
January 2001 – September 2005

Graduate Research Assistant, University of Nebraska, Lincoln: September 1997 –
December 2000:

Research Technician, University of Nebraska, Lincoln: May 1999 – September 2000

Manager Colorado State University Beef Unit: June 1996 - July 1997

Graduate Research Assistant, Colorado State University: June 1995 - August 1997

GRADUATE ADVISING

Earl H. Ward. M.S. South Dakota State University. Thesis: Response of gestating beef cows to limit-fed diets containing rolled barley. Graduated 2006 (major professor).

Chanda Engel. M.S. South Dakota State University. Thesis: Effect of soybean hulls compared to dried corn distillers grains plus solubles, a source of fat and UIP, in limit fed diets for gestating beef heifers. Graduated 2007 (major professor).

Sean Kelly, M.S. Texas A&M Kingsville. Thesis: An analysis of the current and future value of the feedlot division of Padlock Ranch using the King Ranch Institute for Ranch Management strategic scenario planning. Graduated 2008 (committee member).

CURRENT ORGANIZATION/COMMITTEE MEMBERSHIP

National Beef Quality Assurance Advisory Board

National Cattlemen's Beef Association Ag and Food Policy Committee

President, High Line Ditch Company

Represent Padlock Ranch in National Cattlemen's Beef Association, Wyoming Stock Growers Association, Montana Stock Growers Association

SELECT AWARDS/HONORS

Top 10 Industry Leaders Under 40: Cattle Business Weekly (2008)
Western Section ASAS: Excellence in Applied Animal Science Research Award – 1st place (2004; my graduate student was lead author)
Certificate of Merit, South Dakota Cooperative Extension Service (2003)
Western Section ASAS: Excellence in Applied Animal Science Research Award – 1st place (2003)
Western Section ASAS: Excellence in Applied Animal Science Research Award – 1st place (2002)
South Dakota Cooperative Extension Team Award (2002)
Golden Key National Honor Society

SELECT PUBLICATIONS

Refereed Journal Publications

- Johnson, P. S., K. C. Olson, R. N. Gates, **H. H. Patterson**, M. Hubert, D. Landblom, J. J. Kincheloe, H. A. Richter, and A. V. Grove. 2015. Early weaning reduces rangeland herbage disappearance. *Crop, Forage and Turfgrass Management* Vol 1 (1).doi:10.2134.
- Perry, G. A., B. L. Perry, J. A. Walker, D. L. Wright, R. R. Salverson, **H. H. Patterson**. Evaluation of prior grazing experience on reproductive performance in beef heifers. 2013. *Prof. Anim. Sci.* 29(6):595-600.
- Patterson, H. H.** and C. Richardson. 2007. Utilizing the Balanced Scorecard in Ranch Management: Cattle Production Systems Perspective. *Rangelands*. 29(Issue 2):22-27.
- Fausti, S. W., B. Quasmi, D. Landblom, M. Beutler, P. Johnson, R. Gates, **H. Patterson**, and R. Salverson. 2007. Public price reporting, marketing channel selection, and price discovery. The perspective of cow/calf producers in the Dakotas. *J. Agribusiness* 25(1):59-76.
- Patterson, H. H.**, D. C. Adams, T. J. Klopfenstein, and G. P. Lardy. 2006. Application of the 1996 NRC to Range Cattle Nutrition. *Prof. Anim. Sci.* 22(4):307-317.
- Clark, R. T., K. W. Creighton, **H. H. Patterson**, and T. N. Barrett. 2005. Economic and tax implications for managing beef replacement heifers. *Prof. Anim. Sci.* 21 (3):164-173.
- Lardy, G. P., D. C. Adams, T. J. Klopfenstein, and **H. H. Patterson**. 2004. Building beef cow nutritional programs with the 1996 NRC beef cattle requirements model. *J. Anim. Sci.* 82:E83-92.
- Patterson, H. H.**, D. C. Adams, T. J. Klopfenstein, R. T. Clark, and B. Teichert. 2003. Supplementation to meet metabolizable protein requirements of primiparous beef heifers: II. pregnancy and economics. *J. Anim. Sci.* 81:563-570.
- Patterson, H. H.**, T. J. Klopfenstein, D. C. Adams, and J. A. Musgrave. 2003. Supplementation to meet metabolizable protein requirements of primiparous beef heifers: I. Performance, forage intake, and nutrient balance. *J. Anim. Sci.* 81:800-811.
- Klopfenstein, T. J., R. A. Mass, K. W. Creighton, and **H. H. Patterson**. 2001. Estimating forage protein degradation in the rumen. *J. Anim. Sci.* 79(E. Suppl.):E208-E217.
- Patterson, H. H.**, J. C. Whittier, and L. R. Rittenhouse. 1999. Effects of cull beans, sunflower meal, and canola meal as protein supplements to beef steers consuming grass hay on *in situ* digestion kinetics. *Prof. Anim. Sci.* 15:185-190.
- Patterson, H. H.**, J. C. Whittier, L. R. Rittenhouse, and D. N. Schutz. 1999. Performance of beef cows receiving cull beans, sunflower meal, and canola meal as protein supplements while grazing native winter range in eastern Colorado. *J. Anim. Sci.* 77:750-755.

Invited Papers

- Patterson, H. H.** 2015. Feed efficiency in the range beef cow: What should we be looking at? In: Proc. The Range Beef Cow Symposium XXIV, Loveland, CO. pp 91-96.
- Patterson, T.** 2007. Benefits of weaning calves at younger than traditional ages. In: Proc. The Range Beef Cow Symposium XX, Loveland, CO. pp 109-114.
- Patterson, T., and B. Patterson.** 2006. Co-products in beef cattle rations. Presented at the 55th Montana Livestock Forum and Nutrition Conference; Bozeman, MT; April 11 and 12, 2006.
- Patterson, T., R. Clark, R. Salverson, W. Fahsholtz, and T. Line.** 2005. Heifer development: Revisiting target weights and management approaches. In: Proc. The Range Beef Cow Symposium XIX, Rapid City, SD. pp 101-107.
- Clark, R., T. Patterson, K. Creighton, and T. Barrett.** 2004. Economic and tax implications for managing two year olds. *J. Anim. Sci.* 82(Suppl 2):44(Abstr.). {Presented at 2004 Midwest ASAS Symposium}
- Gates, R. N., H. H. Patterson, P. S. Johnson, B. H. Dunn, and C. A. Tusler.** 2004. Interactive training in sustainable rangeland livestock production systems. *Proc. West. Sec. Amer. Soc. Anim. Sci.* 55:179-181. {Presented at 2004 Western Section ASAS Extension Symposium}
- Patterson, T. and P. Johnson.** 2003. Effects of water quality on beef cattle. In: Proc. The Range Beef Cow Symposium XVIII, Mitchell, Nebraska. pp 121-128.
- Patterson, T.** 2003. Challenges with water: Implications to animal performance and health. *Proc. Colorado Nutrition Round Table.* Ft. Collins, CO. Paper C.
- Adams D. C. and H. H. Patterson.** 2003. Use of the NRC model to predict forage and/or energy intake and animal performance. *J. Anim. Sci.* 81(Suppl. 2):40(Abstr.).{Presented at 2003 Midwest ASAS Symposium}
- Patterson, H. H. and T. J. Klopfenstein.** 2003. Application of the Metabolizable Protein System to range cattle nutrition. *J. Anim. Sci.* 81(Suppl. 2):40(Abstr.).{Presented at 2003 Midwest ASAS Symposium}
- Patterson, T.** 2002. The nutritional value of native range to grazing cattle. *Proc. Integrating Forage and Cattle Resources.* NCBA/NC-225/CES IRM Conference, Bismarck, ND and Chadron, NE:61-70.
- Patterson, T.** 2001. The role of undegradable intake protein in management of the young beef female. In: Proc. The Range Beef Cow Symposium XVII, Casper, WY. Pp 180-187.
- Klopfenstein, T., R. Mass, K. Creighton, and T. Patterson.** 2000. Estimating forage protein degradation in the rumen. *J. Anim. Sci.* 78(Suppl. 1):15(Abstr.). {Presented at 2000 National ASAS Symposium}

Thesis/Dissertation

- Patterson, H. H.** 2000. Protein supplementation to pregnant heifers and grazing management effects on cow diet quality. Ph.D. dissertation, Univ. of Nebraska, Lincoln.
- Patterson, H. H.** 1997. Cull beans, canola and sunflower meal supplements on cow performance and in situ digestion kinetics. M.S. thesis, Colorado State Univ., Ft. Collins.