

# CURRICULUM VITAE

University of Idaho

**NAME:** John B. Hall

**DATE:** 12/30/2017

**RANK OR TITLE:** Professor; Extension Beef Specialist and Superintendent

**DEPARTMENT:** Animal and Veterinary Science

**OFFICE LOCATION AND CAMPUS ZIP:**

Nancy M. Cummings Research, Extension, and Education Center  
16 Hot Springs Ranch Road  
Carmen, Idaho 83462

**OFFICE PHONE:** 208-756-2749

**FAX:** 208-756-2794

**EMAIL:** jbhall@uidaho.edu

**WEB:**

**DATE OF FIRST EMPLOYMENT AT UI:** March 24, 2008

**DATE OF TENURE:** March 24, 2008

**DATE OF PRESENT RANK OR TITLE:** May 1, 2011

**EDUCATION BEYOND HIGH SCHOOL:**

**Degrees:**

**Ph.D.** University of Kentucky, Lexington, 1991; Animal Science (Reproductive Physiology)

**M.S.** University of Georgia, Athens, 1984; Animal Science (Reproductive Physiology)

**B.S.A.** University of Georgia, Athens, 1982; Animal Science/Pre-Veterinary Medicine

**Certificates and Licenses:**

Professional Animal Scientist - Certification

**EXPERIENCE:**

**Teaching, Extension and Research Appointments:**

2011-Present	Professor, Extension Beef Specialist & Superintendent University of Idaho, Nancy M. Cummings REEC, Carmen, ID.
2008-2011	Associate Professor, Extension Beef Specialist & Superintendent University of Idaho, Nancy M. Cummings REEC, Carmen, ID.
2003-2008	Associate Professor and Extension Animal Scientist, Beef VPI&SU, Blacksburg, VA.
1997-2003	Assistant Professor and Extension Animal Scientist, Beef VPI&SU, Blacksburg, VA.
1995-1997	Assistant Professor University of Minnesota-North Central Experiment Station, Grand Rapids, MN.
1994-1995	County Extension Education Director ISU Extension Service, Shelby County, Harlan, IA.
1991-1994	Post-Doctoral Research Associate Fort Keogh Livestock and Range Research Laboratory, USDA-ARS, Miles City, MT.
1986-1991	Research Analyst Depart. of Animal Sciences, University of Kentucky, Lexington, KY.
1986	Associate County Agent; Area Specialized Agent Livestock North Carolina State University, Davie and Yadkin Counties.

1984-1986 Assistant County Agent; Area Specialized Agent Livestock  
 North Carolina State University - Davie and Yadkin Counties.  
 1982-1984 Graduate Teaching Assistant  
 Department of Animal and Dairy Science, Univ. of Georgia, Athens, GA.

**Academic Administrative Appointments:**

2008-Present Superintendent Nancy M, Cummings Research Extension and Education Center  
 University of Idaho, Carmen, ID

**Non-Academic Employment including Armed Forces:** N/A

**Consulting:**

**TEACHING ACCOMPLISHMENTS:** (Academic and Extension teaching)

**Areas of Specialization:**

**Extension Beef Specialist – Beef cattle reproduction, Cow-calf management, Beef cow nutrition, Beef Quality Assurance**

**Courses Taught:**

**Guest Lecturer  
 University of Idaho**

<b>Courses Taught</b>	<b>Semester/Year</b>	<b>No. of Lectures</b>	<b>Enrollment</b>	<b>Credits</b>
Beef Cattle Science AVS 474	Spring 2017	4	28	3
	Spring 2016		21	
	Spring 2015		33	
	Spring 2014		23	
	Spring 2013		30	
	Spring 2012		25	
	Spring 2011		32	
	Spring 2010		40	
	Spring 2009		35	

**Co-Instructor  
 University of Idaho**

<b>Courses Taught</b>	<b>Semester/Year</b>	<b>Enrollment</b>	<b>Credits</b>
Calving Management AVS 318	Spring 2017	17	1
	Spring 2016	12	
	Spring 2015	16	
	Spring 2014	15	
	Spring 2013	13	
	Spring 2012	11	
	Spring 2011	12	
	Spring 2010	10	
	Spring 2009	12	

**Co-Instructor****Virginia Tech**

<b>Courses Taught</b>	<b>Semester/Year</b>	<b>Enrollment</b>	<b>Credits</b>
Beef Cattle & Sheep Management AT 0614*	Fall/2000	15	3
	Fall/1999	17	

\*Lead instructor with three other faculty members.

**Guest Lecturer****Virginia Tech**

<b>Courses Taught</b>	<b>Semester/Year</b>	<b>No. of Lectures</b>	<b>Enrollment</b>	<b>Credits</b>
Advanced Reproductive Physiology APSC	Spring 2006	3	15	3
Beef Cattle & Sheep Management AT 0984	Fall 2006	2	17	3
	Fall 2005	2	13	3
	Fall 2004	2	15	3
	Fall 2003	3	17	3
	Fall/2001	5	12	3
	Fall/1998	5	11	3
Feeds & Feeding AT0354	Spring 2004	1	18	3
	Spring 2003	1	15	3
	Spring/2002	1	18	3
	Spring/2001	1	13	3
	Spring/1999	1	17	3
	Spring/1998	1	15	3
Applied Meat Animal Genetics APSC 4154	Spring/1999	3	15	3
	Spring/1998	1	18	3
Food Animal Husbandry Laboratory VM 8214	Fall/1997	1	20	1
Food Animal Husbandry VM 8214	Fall/1997	1	20	1

**University of Minnesota**

<b>Course</b>	<b>Semester/Year</b>	<b>Enrollment</b>	<b>Credits</b>
Beef Production	Spring/1996/1995	20	3

**University of Kentucky**

<b>Course</b>	<b>Semester/Year</b>	<b>Enrollment</b>	<b>Credits</b>
Reproduction in Farm Animals	Spring/1991	28	3

**Students Advised:****Undergraduate Students:**

Currently do not advise undergraduate students due to off-campus office location.

From 1997-2008, advised average of 12 undergraduates per year with an average of 4 students graduating per year.

**Current Graduate Students:**

Mrs. Carmen Willmore, Ph.D. Candidate

Ms. Maggie Reynolds, M.S. Candidate

**Current Graduate Committees:**

Mr. Jeremy Howard, Ph.D. Candidate

Mr. James Vinyard, M.S. Candidate

Ms. Keri York, M.S. Candidate

**Undergraduate Research or Internships Directed**

Morgan, Jessie. Cattle management and research Rock Creek Ranch. Summer 2017.

Dunham, Kassadie. Grazing of cover crops. Summer 2017.

Merrigan, Rylie. Cattle research and ICA Futurity Steer. 2017.

Seal, Charly. Calving Management. Spring 2017.

Smith, Wyatt. Cattle management and research Rock Creek Ranch. Summer 2016.

Millican, Emelia. Cattle research. Summer 2016.

Kubowitsch, Noah. Forage research. Summer 2016.

Woods, Melissa. AVS 398 – Beef Production in the Pacific Northwest. Spring 2016.

Peterson, John. Cattle and forage research. Summer 2015.

Nebeker, Mark. Cattle research. Summer 2014.

Pardew-Peck, Keri. Forage research. Summer 2014

Erikson, Mikki. ICA Cattle Futurity – a grazing demonstration. Summer 2013.

Allen, Shelby. Cool season perennial pasture species trial. Summer 2013.

Russell, Katie. Producer perceptions of research and education needs from the UI Nancy M. Cummings REEC. Summer 2012.

Forsmann, Jacob. Cool season perennial pasture species trial. Summer 2012.

DeBoer, Darci. Impact of moving cows from irrigated pasture to range on cow and calf performance. Summer 2011.

Barber, Kathryn. NMCREEC Ranch Internship. Summer 2011

Hensley, Jistine. Impact of illness in young calves on growth rates and weaning weights. Summer 2010.

Wells, Health. Developing outreach programs for NMCREEC – Practical experience in extension. Summer 2010.

Mora Juan. Impact of intensive grazing management or normal management on pasture productivity at NMCREEC. Summer 2009.

Beckwith, Athena. Effect of selection for divergent residual feed intake levels on weaning weights in Red Angus sired calves. Summer 2009.

Summers, Dillon. Does synchronization result in too many females in estrus during the estrous cycle following synchronization? Summer 2008.

Wilson, Karen. Comparison of a 5-day or 7-day CIDR-based synchronization system for beef heifers. Fall 2005.

Heidi Baitis. Comparison of a New Electronic Estrus Detection Device for Female Beef Cattle. Summer 2001.

Beazlie, Frank. Production of Antibodies for Radioimmunoassay. Summer 2001.

Umberger, Seth. Luteinizing Hormone Response to Three Commercial Preparations of GnRH in Midluteal Phase Ewes. Fall 2001.

### **Graduate Students:**

#### **Thesis Directed as Major Professor**

Ambrosek, Richard. Productivity, nutrient content, and digestibility of small grain hybrids with or without legumes in non-irrigated fields in high elevation cool desert regions. Master of Science. December 2014.

Liles, Amanda G. The Effect of Resynchronization of Estrus Using the 5 D CO-Synch + CIDR System in Beef Heifers. Master of Science. August, 2008.

Cuddy, David L. Effect of Supplemental Dietary Fat on Puberty and Fertility in Beef Heifers. Master of Science. December, 2006.

Wuenschel, Jr., Jeffrey C. Effects of Feeding Supplemental Eicosapentanoic Acid and Docosahexanoic Acid to Beef Females on Reproductive Responses and Free Fatty Acids. Master of Science. August, 2006.

Dorsey, Benjamin Effect Of Timing Of Insemination And Synchronization Of Estrus Method On Artificial Insemination (AI) Pregnancy Rates In Beef Heifers. Master of Science. April, 2005.

Cline, Mark A. Efficacy of Synthetic Gonadotropin Releasing Hormone Analogs for Control of Ovulation During Estrus Synchronization Protocols. Master of Science. February, 2002.

Horsley, Donald S. Determining the Nutritional Status of Mature Beef Cows. Master of Science. January, 2002.

Dietz, Richard E. Effects of Feeding Supplemental Fat to Beef Cows on Cold Tolerance in Newborn Calves. Master of Science. August, 2000.

#### **Thesis as Member of the Graduate Committees**

Roubal, Anthony, M.S. Needs Assessment for Idaho Beef Programming. May 2017.

Kaweck, Molly, M.S. Impacts of Wild Horses on Riparian Areas in Idaho. May 2016

Brasche, Carmen, M.S. Effect of Trace Mineral Injection on Beef Cattle Performance. May, 2015

McGee, Marcus, Ph.D Residual Feed intake in Beef Cattle; in Relation to Breed, Selection and Behavior.. June 2014.

Welch, Cassie Marie, Ph.D. Characterization of Performance and Physiological Drivers Contributing to Variation in Feed Efficiency of Red Angus-Sired Cattle. January 2014.

Wu, Miaozong. Ph.D. Nutritional regulation of serum insulin-like growth factor-1 concentration in cattle. August, 2007.

Matson, Kimberly M., M.S. The effect of weekly handling on the temperament of peri-puberal crossbred beef heifers. April, 2004

Hensley, Erika L., M.S. Induced Cervical Dilation In Sheep: Evaluation Of The Effects On Fertilization Rates and Embryonic Development. Master of Science July, 1999.

Mundie, B. Scott., M.S. Nutritional Value of Warm- and Cool-Season Grasses for Ruminants. May, 1999.

**Materials Developed:** (non-scholarship activity)**Powerpoint Presentations/Slide Sets – For Use By Extension Educators**

Hall, J.B. 2004. Ensuring a Quality Feed Supply – BQA (Audio attached via Breeze)  
 Hall, J.B. 2004. Responsible Culling - BQA (Audio attached via Breeze)  
 Hall, J.B. 2004. Targeted Breeding - BQA  
 Hall, J.B. 1999. Advancements in estrous synchronization and their applications.  
 Hall, J.B. 1999. Estrus cycle of the cow.  
 Hall, J.B. 1998. Beef cattle nutrition.  
 Hall, J.B. 1998. Pasture management for optimum weight gains.  
 Hall, J.B. 1998. Breeding summer management.  
 Hall, J.B. 1998. Controlled calving season – why bother?  
 Hall, J.B. 1998. Improving quality of feeder calves.  
 Hall, J.B. 1998. Ionophores & minerals – effects and needs for stocker on summer pastures.

**Courses Developed:** N/A**Non-credit Classes, Workshops, Seminars, Invited Lectures, etc.:****Major Statewide Beef Extension Programs:****New Programs Developed and Coordinated**

<b>Program</b>	<b>Year</b>	<b>Status</b>	<b>Participation</b>	<b>Classroom Hours/Participant</b>
Beef Reproductive Management Short Course	2014	Completed	45	18
UI Nancy M Cummings Cow/Calf Days	2014 2013	Completed	60 60	6
Youth Cattle Working Contest	2013	Completed	10	2
Idaho Beef Cattle Improvement Association Field Day	2012	Completed	50	4
Extension Educator Webinar Ration Balancing Training	2012	Completed	12	2
Stockmanship and Stewardship – BQA program	2011	Completed	1480	3
Applied Reproductive Strategies in Beef Cattle - Northwest	2011	Completed	135	12
Virginia Cow/Calf Management Course	1998-07	Completed	910	30
Virginia Premium Assured Heifers	1999-07	Completed	60 herds 8000 heifers	N/A
Beef Producers University	2000, 2001, 2006	Completed	220	14
VA Beef Reproductive Management Short Course	2005, 2007	Completed	65	16
Beef Cow 2000	1997	Completed	320	4

**Programs Coordinated and Co-Developed**

<b>Program</b>	<b>Year</b>	<b>Status</b>	<b>Participation</b>	<b>Classroom Hours/Participant</b>
Artificial Insemination school	2017, 2016, 2014	Completed	30	20
UI Calving Schools. (Co-coordinated S. Williams, S. Baker, and B.Glaze).	2015	Completed	80	6
NMCREEC Forage Twilight Tour. Forage Research at NMCREEC	2017, 2015	Completed	37	2
Extension Educator In-Service Training	2014	Completed	20	3
Cowboy School	2017, 2015, 2013	Completed	155	6
Beef Cow Winter Feeding Strategies Workshops (Co-Developed with B. Glaze)	2012	Completed	145	4
Youth Cattle Working Contest Training Sessions for Leaders (Co-developed with B. Glaze)	2012	Completed	25	2
Applied Reproductive Strategies in Beef Cattle	2005	Completed	150	16
Mid-Atlantic Beef Quality Assurance Producer Certification	2002- 2007	Completed	3996	4
Animal Science Agent In-Service Training	Annually	Completed	20-30 agents/year	20
1997 Cow-Calf Symposium	1997	Completed	250	4
MN Cow/Calf Days	1997	Completed	400	4

**Programs Taught**

<b>Program</b>	<b>Year</b>	<b>Status</b>	<b>Participation</b>	<b>Classroom Hours/Participant</b>
Idaho Beef Quality Assurance	2009 - 15	Completed	435	3
Virginia Cattlemen's Association Cattlemen's College	2000-02, 2005	Completed	590	4
Basic Beef Quality Assurance	1998-01	Completed	1530	2
1998 Seedstock Symposium	1998	Completed	200	4

**International, National, Regional, Instate Presentations****International**

Invited Speaker. Saskatchewan Range Forum. "Heifer development: Same challenges – New options" Via Webinar. January 5, 2016

Invited Speaker. World Wide Sires and EGE Vet Beef Cattle AI Series. Ankara, Konya and Adana, Turkey February 9, 14, and 16, 2012 “Structure of the US Beef Industry” and “Best Management Practices for Cow-Calf Operations”

Invited Speaker. World Wide Sires and EGE Vet Beef Cattle AI Series. Akoya, Turkey November 7, 2012 “How to make artificial insemination and crossbreeding successful”

### **National**

Speaker. Applied Reproductive Strategies in Beef Cattle Symposium. “Heifer nutritional development strategies.” Manhattan, KS. August 29&30, 2017.

Speaker. Applied Reproductive Strategies in Beef Cattle Symposium. “Heifer nutritional development and the target weight debate.” Des Moines, IA. September 7&8, 2016

Invited Speaker. NY Beef Producers Annual Meeting. “Factors affecting heifer fertility”; “Tools to improve fertility in heifers” January 16-17, 2015

Speaker. Applied Reproductive Strategies in Beef Cattle Symposium. “Heifer development: Same challenges – More options.” Davis, CA. August 17-18, 2015

Invited Speaker. Beef Heifer Development Symposium. Annual Meeting of the American Society of Animal Science. Kansas City, MO. July 22, 2014 “Heifer nutritional development and the target weight debate”

Invited Speaker. American Simmental Association Annual Meeting. September 8, 2014. “Collaborative research between ASA and University of Idaho”

Speaker. Applied Reproductive Strategies in Beef Cattle. Stillwater, OK. October 8, 2014. “Use of sexed semen in the beef industry”

Invited Speaker. Beef Improvement Federation Meetings. Oklahoma City, OK. June 13, 2013. “Use of sexed semen in the beef industry”

Speaker. Applied Reproductive Strategies in Beef Cattle. Staunton, VA. October 16, 2013. “The use of sexed semen in the beef industry”

Invited Speaker. Range Beef Cow Symposium. Rapid City, SD. December 3, 2013. “How can sexed semen be used in commercial beef herds?”

Invited Speaker. Midwest Section of the American Society of Animal Science, Des Moines, IA. Harlin Ritchie Beef Symposium. March 20, 2012. “Systems applications of sexed semen.”

Invited Speaker. Iowa State in-service training for area livestock specialists. Des Moines, IA. March 21, 2012. “Reproductive management for the cow herd”

Speaker. Applied Reproductive Strategies in Beef Cattle. Sioux Falls, SD. December 4, 2012. “Can sexed semen work in your herd?”

Invited Speaker. National Cattlemen’s Beef Association – Cattlemen’s College. Denver, CO. February 2, 2011. “Sexed Semen – The newest reproductive technology for the beef industry.”

Invited Speaker. American Simmental Association - eSeminar. Bozeman, MT. March 23, 2011. "The State of Sexed Semen and How to Use It"

Speaker. Applied Reproductive Strategies in Beef Cattle. Joplin, MO. September 1, 2011. “Nutritional Influences on Reproduction: Energy and Protein”

Invited Speaker. Genex CRI Technician Update Meeting. Boise, ID. September 29, 2011. “Using Sexed Semen In Beef Herds.”

Speaker. Applied Reproductive Strategies in Beef Cattle - Northwest. Boise, ID. September 30, 2011. “Strategies to Optimize Use of AI in Cow/Calf Production Systems”

Speaker. Roy A. Wallace Beef Reproduction Symposium. Columbus, OH. October 13, 2011. “Research on Sexed Semen at University of Idaho”.



- Speaker. Applied Reproductive Strategies in Beef Cattle. Nashville, TN. August 6, 2010. “Nutritional Influences on Reproduction: Energy and Protein”.
- Invited Speaker. 8th International Ruminant Reproduction Symposium. September 5, 2010. Anchorage, AK. “Impact of gender-selected semen on AI pregnancy rates, gender ratios, and calf performance in crossbred postpartum beef cows.”
- Invited Speaker. Joint Annual Meeting of the American Dairy Science Association (ADSA), Poultry Science Association (PSA), Asociación Mexicana de Producción Animal (AMPA), Canadian Society of Animal Science (CSAS), American Society of Animal Science (ASAS), and ASAS Western Section (WSASAS). July 12, 2010. Denver, CO. “Summer annuals for fall grazing in the high elevation Intermountain West.”
- Speaker. 13<sup>th</sup> Annual Select Sires Estrus Synchronization Think Tank. Columbus, OH. 2008. “Impact of targeted CIDR use on AI pregnancy rates and cost of AI in postpartum beef cows.”
- Invited Speaker. NCBA Cattlemen’s College at NCBA Annual Meeting. Nashville, TN. February 1, 2007. “Cattle Management and Supplementation Strategies to Improve Reproduction of Cattle on Fescue”.
- Speaker. Applied Reproductive Strategies in Beef Cattle. Rapid City South Dakota. October 3, 2006. “Cow supplementation and heifer development to optimize reproductive performance”.
- Speaker. Applied Reproductive Strategies in Beef Cattle. St. Joseph, MO. August 30, 2006. “Supplementation and Weaning Strategies to Optimize Reproduction”.
- Speaker. Applied Reproductive Strategies in Beef Cattle. Lexington, KY. November 5, 2005. “Nutrition reproduction interactions” and “Timing of AI in heifers”.
- Invited Speaker. National BQA Coordinators Meeting and NCBA. Kansas City, MO. June 15, 2006. “Impact of BQA Program in Virginia”
- Invited Speaker. National Angus Tour. Blacksburg, VA. September 15, 2004. “Body condition scoring Angus cows.”
- Speaker. Select Sires AI Think Tank. Columbus, OH. September 8, 2004. “Effect of timing of artificial insemination on pregnancy rates of beef heifers.”
- National Beef Quality Assurance Coordinators Meeting. Kansas City, MO. June 9-10, 2004. “Identifying, Prioritizing & Implementing a Coordinated Industry-wide Animal Identification Producer Educational Needs & Opportunities” Panel member
- National Beef Quality Assurance Coordinators Meeting. Kansas City, MO. June 10-11, 2004. “A ‘Palm Pilot Based’ Quality Assurance Record System”
- American Forage and Grasslands Council Annual Meeting – Producers Tour. June, 13, 2004. “Impacts of endophyte infected fescue on beef cattle.”
- Mid-Atlantic Marketing Symposia and Cattlemen’s Conference. Morgantown, WV. February 6 & 7, 2003. “Update on Virginia BQA Program”
- Invited Speaker. First National Conference on Grazing Lands. Las Vegas, NV. December 5, 2000. “The Virginia beef cattle efficiency program.”
- Invited Speaker. Estrous Synchronization and A.I. Thinktank. Columbus, Ohio. October 15-16, 1999.
- Speaker. Ruminant Livestock Efficiency Program Annual Conference. Athens, GA. November 3, 1998. “The Virginia beef cattle efficiency project.”
- Invited Speaker. 58<sup>th</sup> Minnesota Nutrition Conference. Bloomington, MN. September 22-24, 1997. “Supplemental nutrition of pastured beef cows.”

### **Regional**

- Invited Speaker. Western Section American Society of Animal Science Beef Symposium. Ruidoso, NM. June 23, 2015 “Sexed semen: Current commercial applications and what the future may hold for the beef producer.”

- Speaker. Intermountain Beef School. Twin Falls. “Pregnancy Testing new options” January 11, 2013
- Invited Speaker. Nutrition-Reproduction Interactions in Female Beef Cattle. January 14, 2009. Intermountain Cow Symposium. Twin Falls, ID
- Invited Speaker. Pocahontas Co. Cattlemen’s Association. Marlinton, WV. April 4, 2007. “Forage and Grazing Management to Extend the Grazing Season”.
- Speaker. MidAtlantic BQA Coordinators Meeting, Harrisburg, PA. August 29, 2006. “The Mid-Atlantic Value-Added Beef Center”.
- Invited speaker. ABS Global Technician Update. Winston Salem, NC. August 22, 2005. “Current estrus synchronization systems for cows and heifers”.
- Invited speaker. Area Cattlemen’s Educational Meetings. Monroe and Mercer Counties, WV. January 17-19, 2005.
- Invited speaker. Panhandle Area Cattlemen’s Educational Meetings. Lewis, Hampshire, Hardy/Grant and Pendleton Counties, WV. January 6-10, 2003.
- Invited Speaker. West Virginia Cattlemen’s Group. Monroe, Raleigh, and Jackson Counties, WV. January 22-25, 2002. “Meeting cow nutritional needs by extending the grazing season.”
- Speaker, Lewisburg, WV Forage-Livestock School. April 6, 2002. “Livestock nutrient requirements” and “Mineral supplements.”
- Invited Speaker. West Virginia Northern Area Beef Producers Educational Program. Moundsville, Keyser, Martinsburg and Kingwood, WV. January 22-25, 2001. “Meeting the nutritional needs of the cow-calf herd with grazing.”
- Invited Speaker. Berkley and Mineral County WV Grassland Management and Drought Proofing Program. New Creek and Martinsburg, WV. February 21 & 22, 2000. “Rotational/grazing and its use in drought proofing.”
- Invited Speaker. Farm Expo 99. Kingsport, TN. January 30, 1999. “Beef cattle nutrition.”
- Invited Speaker. VA-NC Grazing Cattle on Fescue Symposia. December 7, 1999. “Effects of endophyte infested fescue on beef cattle production.”

### **In State**

#### **2017**

- Invited Speaker. Lemhi Co. Beef School. “Tools to improve heifer fertility.”, “Prebreeding vaccinations – some new thoughts”. Salmon, ID. January 31, 2017.
- Invited Speaker. Boundary-Bonner Beef School. “What we know about cow size and efficiency”. Sand Point, ID. February 4, 2017.
- Speaker. NMCREEC Cow-Calf Days and Cowboy School. “Body condition scoring cows”. Carmen, ID. November 2, 2017.
- Invited Speaker. Salmon Rotary. “New classroom-office building at NMCREEC: What it means to UI and the community”. December 12, 2017.

#### **2016**

- Invited Speaker. Lemhi Co. Beef School. “Pregnancy testing feed management.” Salmon, ID. January 12, 2016
- Speaker. Rock Creek Ranch Tour and MOU Signing. “Cattle Research and Grazing Plans for Rock Creek”. Hailey, ID. June 28, 2016.

#### **2015**

- Speaker & co-coordinator. UI Calving Schools. “Neonatal calf survival and management” Downey, ID. 1/06/2015; Mackey, ID 1/08/2015; Salmon, ID 1/09/2015

- Invited Speaker. Gem Co. Beef School. "Changes in heifer development strategies." Emmett, ID 1/21/2015
- Invited Speaker. Lemhi Co. Beef School. "Estrus synchronization and natural service." Salmon, ID 2/03/2015
- Speaker. Extension annual conference. Beef POD Update. 3/30/2015
- Leader. Beef POD Focus Groups. ICA JBH absent, IBC 3/19/2015, Marsing, ID 4/9/2015; Moscow, ID 4/23/2015; Jerome, ID 4/28/2015; Pocatello, ID 4/29/2015.
- Speaker and coordinator. NMCREEC Forage Twilight Tour. "Forage Research at NMCREEC". NMCREEC, Carmen, ID. October 1, 2015.
- Speaker. NMCREEC Cow-calf Days and Cowboy School. "Why is beef quality important to cow-calf producers" "Grids and Kids – Carcass quality of Lemhi Co. Steers." NMCREEC Carmen, ID. October 28, 2015
- Invited Speaker. Madison Co. Beef School. "Using non-traditional crops for fall grazing." Rexburg, ID December 16, 2015
- Invited Speaker. Lincoln Co. Beef School. "Pecalving feed management." Jerome, ID. December 17, 2015

## **2014**

- Invited Speaker. Gem Co. Beef School. "Late gestation nutrition and calf performance" 01/08/2014
- Invited Speaker. Lemhi Beef Winter School. "Changes in heifer development strategies" 01/14/2014
- Invited Speaker. Custer Co. Winter Beef School. "Using alternative forages to extend the grazing season" 01/27/2014 (two locations)
- Co-Coordinator and speaker. Extension Educator In-Service Training – Beef Heifer Development and Marketing. "New strategies for heifer development" 03/12/2014
- Co-Coordinator and speaker. Elementary School Science Days. "Ruminants the ultimate solar collector" 03/19/2014
- Speaker. Beef Reproductive Management Short Course – Unit 1 – Prebreeding. Cambridge and Salmon. "Prebreeding nutrition for improved reproduction". 04/01/2014 & 04/03/2014
- Speaker. BQA Certification – Univ. of Idaho. 04/17/2014
- Invited Speaker. AVS Graduate student seminar. "The Nancy M. Cummings REEC changes and opportunities" 04/18/2014
- Speaker. BQA Certification - Custer Co. "Low stress cattle handling" 05/22/2014
- Invited Speaker. BYU Idaho. "Research and student opportunities at UI Nancy M. Cummings REEC" 06/04/2014
- Presenter. Kimberly Twilight Tour. "Making ruminants more efficient & beef cattle research" 06/16/2014
- Speaker. Beef Reproductive Management Short Course – Unit 2 – "Pregnancy detection and fall management". Cambridge and Salmon. "Review of anatomy"; "Pregnancy detection options"; "Winter bull management". 09/25/2014 & 10/03/2014
- Speaker. Eastern Idaho Cowboy Schools. Salmon, Blackfoot, and Montpelier. "Bull nutrition in relation to fertility. 10/29, 11/5 & 11/6/2014
- Speaker. Beef Reproductive Management Short Course – Unit 3 – Calving Management. Cambridge. "Neonatal calf survival and calving management". 12/02/2014
- Trainer. BQA Train the Trainer Certification. "Management and handling" 12/16/2014

**2013**

Speaker. Intermountain Beef School. Twin Falls. "Pregnancy Testing new options" 01/11/2013

Invited Speaker. Gem Co. Beef School. "Preparing for another dry year" 01/16/2013

Invited Speaker. Adams Co Beef School. "Cow winter nutrition impacts on calf performance" 01/17/2013

Invited Speaker. Lemhi Winter School. "Research Update" 01/29/2013

Speaker. BQA Certification - Custer Co. and Lemhi Co. 02/11/2013 and 02/12/2013

Speaker. Youth Beef Field Day. Lewiston. "Training for Youth Cattle Working Contest 03/09/2013

Invited Speaker. Idaho Co. Cattlemen's meeting. Lewiston. "Strategies to Feed Cows over the Winter Months" 03/12/2013

Speaker. BQA Certification - BYU Idaho 03/16/2013

Invited Speaker. Science Days Lemhi Co "Cows THE solar collectors" 04/04/2013

Coordinator. Salmon Idaho. Turkish Beef Seminar and Ranch Visits 04/29/2013

Speaker and coordinator. Nancy M. Cummings REEC Forage Field Day. "Results from Cool Season Perennial test plots" 06/24/2013

Coordinator. Caldwell. Youth Cattle Working Contest 06/26/2013

Presenter. Parma. "Beef Research at UI". Legislative Field Day 08/27/2013

Coordinator. Lewiston/Moscow. AVS Beef Retreat 10/03/2013

Volunteer. UI Ag Days – Moscow 10/05/2013

NMCREEC Cow Calf Days and Cowboy School 10/30/2013

**2012**

Speaker. Idaho Beef Summit. Twin Falls, ID. January 6, 2012. "Idaho Beef Quality Assurance."

Invited Speaker. Gem County Beef School. January 18, 2012. "Ration balancing and reducing feed costs"

Invited Speaker. Owyhee County Cattlemen's Meeting. Marsing, ID. February 4, 2012. "Beef cow mineral supplementation"

Speaker. Lemhi County 4-H Market Beef Clubs. February 29 & March 24, 2012. "Feeding and management of your market beef project"

Invited Speaker. Fort Hall Beef School. Fort Hall, ID. March 13, 2012. "Using EPD's for Bull Selection"

Speaker. BYU-Idaho. BQA Certification. Rexburg, ID. March 28, 2012.

Speaker and Coordinator. Idaho Beef Cattle Improvement Association Field Day. Salmon, ID. April 12, 2012. "Recommended Estrus Synchronization Protocols"

Invited Speaker. Salmon Kiwanis. Salmon, ID. April 16, 2012. "What do they do out there? – an Update on the UI Nancy M. Cummings Center."

Speaker. Idaho Cattle Association Midyear Meeting. Twin Falls, ID. June 20, 2012. "Low stress animal handling – proper handling of vaccines".

Speaker. Pasture Management Professionals Development Workshop. August 21-23, 2012. Carmen, ID. "Grazing animal nutrition." ; "Pasture management at NMCREEC".

Speaker. North Idaho BQA Beef Tour. Sandpoint, ID. September 25, 2012.

Speaker and Co-Coordinator. Youth Cattle Working Contest Training. September, 26, 2012. Pocatello, ID.

Speaker and Coordinator. Beef Cow Winter Feeding Strategies Workshops. September 23, 24, 29 & 30. Salmon, Pocatello, Caldwell and Burley, ID. "Lowering winter feed costs with alternative feeds" and "Nutrition for improved reproduction".

**2011**

Speaker. Intermountain Range Livestock Symposium. Twin Falls, ID. January 13, 2011. "New Concepts in Heifer Development."

Invited Speaker. Lemhi County Beef School. Challis, ID. February 18, 2011. "NMCREEC Research Update"

Invited Speaker. Custer County Beef School. Salmon, ID. March 14, 2011. "Using EPD's for Bull Selection"

Speaker. BYU-Idaho. BQA Certification. Rexburg, ID. March 16, 2011.

Speaker. Stockmanship and Stewardship Cattle Handling Program. Lewiston, Homedale, Twin Falls, and Blackfoot, ID. April 13-17, 2011. "Proper Chuteside Vaccine Handling"

Speaker. UI Student Range Tour. Carmen, ID. April 21, 2011. "Basic Beef Cow Nutrition."

Speaker. BQA Master Cattle Transporter training – AgriBeef, Boise Valley Feeders. July 18, 2011, Parma, ID. "Animal Handling and Welfare – Loading and unloading and emergency situations."; "Driving considerations".

Speaker. BQA Master Cattle Transporter training – Beef Northwest. July 22, 2011, Moses Lake, WA. "Animal Handling and Welfare – Loading and unloading and emergency situations."; "Driving considerations".

**2010**

Invited Speaker. Gem and Payette County Beef School. January 20, 2010. "What does BQA mean to producers?"

Invited Speaker. Adams County Beef School. January 21, 2010. "Understanding Beef Quality Assurance"

Invited Speaker. Custer County Beef School. January 25, 2010. "BQA recertification"

Invited Speaker. Lemhi County Beef School. January 26, 2010. "BQA recertification"

Invited Speaker. Idaho County Beef School. April, 30, 2010. "Understanding residual feed intake, and using it in sire selection", "Research update on activities at NMCREEC."

**2009**

Invited Speaker. "Reproductive Management." January 6, 2009. Lemhi Co. Winter Beef School. Salmon, ID

Williams, S. and J. B. Hall. "Value Added Marketing". January 6, 2009. Lemhi Co. Winter Beef School. Salmon, ID

Johnson, B and J. B. Hall. "Summer Annuals for Fall Grazing and Limited Irrigation". January 27, 2009. Lemhi Co. Winter Beef School. Salmon, ID

Invited Speaker. "Basics of Livestock/Cattle Reproduction". July 14, 2009. Vocational Ag Teachers In-Service Training. Moscow, ID

Invited Speaker. "Beef Quality Assurance for High School Students". July 14, 2009. Vocational Ag Teachers In-Service Training. Moscow, ID

Speaker and coordinator. "Using Sexed Semen in Commercial Cow/Calf Operations", "How the GrowSafe system works", "Ultrasound Pregnancy Detection Demonstration". September 16, 2008. Nancy M. Cummings REEC Field Day. Carmen, ID

Invited Speaker. "What are they doing at NMCREEC?" October 3, 2009. Annual Meeting of the Northern Idaho Cattle Producers. Sandpoint, ID

Invited Speaker. "Genetic tools to enhance reproduction". November 16, 2009. Annual Meeting of the Idaho Cattle Association. Sun Valley, ID

**2008**

Speaker and Coordinator. Nancy M. Cummings REEC Field Day. September 25, 2008. "Targeted estrus synchronization and sexed semen projects.", "No-till summer annuals for late fall grazing."

**2007**

Speaker and Coordinator. Beef Quality Assurance and Disease Risk Management Training for ANR Agents January 8 & 9. "The BQA Classroom session and Introduction to BQA Training Materials"; "BQA Producer Agreements and Record Keeping"; "Becoming a VQA Certifier and Training Certifiers"; "Tightening-up the Recertification Process".

Invited Speaker. VA Cow/Calf Conference. Staunton, VA. January 24. "Minerals – Modern Tools for the Cow/Calf Herd"

Speaker and Coordinator. Beef Producer University. Charlottesville & Wytheville, VA. February 7&8. "Nutritional Strategies for Developing Heifers"; "Estrous Synchronization and AI Systems for Heifers".

Speaker and Co-coordinator. VA Beef Reproductive Management Short Course. Harrisonburg, VA. February 27 & 28. "Reproductive Anatomy of Cow and Bull"; "Estrous Cycle of the Cow"; "Health, Nutrition & Reproduction in Beef Cattle Nutrition and Pregnancy".

Speaker and Coordinator. VT Cow Camp. Blacksburg, VA. March 9-11. "Body Condition Scoring, Cow Size and Cow Culling"; "Cow Nutrition Requirements"; "Reproductive Anatomy of Cows and Bulls"; "Reproductive Management".

Invited Speaker. Allegany-Craig Cattlemen's Association. Catawba, VA. March 22. "Heifer development"; "Importance of Breeding Soundness Exams".

Invited Speaker. Botetourt Cattlemen's Association. Fincastle, VA. March 27. "Using Alternative Feeds as Cow Herd Supplements".

Invited Speaker. VA Beef Expo. Harrisonburg, VA. April 20. "Cow Body Condition Scoring Clinic".

**2006**

Invited Speaker. Southwest Virginia Beef Producers Short Course. Abingdon, VA. March, 2006. "Current Estrous Synchronization Programs for Beef Cattle."

Speaker and Coordinator. VT Cow Camp. Halifax, Va and Winchester, VA. March & April, 2006. "Feeder Cattle Processing and BQA Procedures"; "Supplementation of Beef Cattle"; "Reproductive Anatomy of Cows and Bulls"; "Heifer Selection".

Invited Speaker. VA Stocker Cattle Conference. Staunton, VA. March 2. "Getting the Most Out of Being A Low-Cost Producer".

Invited Speaker. Virginia Simmental Association. Harrisonburg, VA. April 12. "Synchronization Systems for Cows and Heifers".

Speaker. VA Beef Expo Harrisonburg, VA. April 14, 2006. "BQA Chuteside Training".

Invited Speaker. 2006 Southwest VA Regional Farm Field Day. Lebanon, VA. "National ID and BQA Recertification."

Invited Speaker. Southside VA Angus Field Day. Victoria, VA Nutritional Requirements of Cattle and Supplements to Forages and Alternative Feeds.

Invited Speaker. Scott County Cattlemen's Association picnic. Nickelsville, VA. "Systematic Heifer Development".

Speaker. New ANSCI Agent Inservice Training. Blacksburg, VA. "How We Work For and With You"; "Extension Beef Cattle Programming"; "Troubleshooting Beef Cattle Problems - Asking Producers the right Questions"; "Body Condition Scoring Cows and Horses - How, Why, When to use it as an educational program".

- Invited Speaker. Russell Co. Cattlemen's Association. Lebanon, VA. "Winter Feeding of Cows and Stockers".
- Speaker. BQA Certification. Riner, VA. "Responsible Culling Equals Product Quality; Required BQA Records".
- Speaker. SW Ag Agents Association. Norton, VA. "Opportunities for Research and Demonstrations at Powell River Project and Southwest Agricultural Research & Extension Center".
- Invited Speaker. Washington County Cattlemen's Meeting, Abingdon, VA. "Feeding Options in the Face of High Corn Prices".
- Invited Speaker. Area Beef Health Conference, Rustburg, VA. "Weaning Nutrition and Weaning Strategies".
- Invited Speaker. : Department of Corrections Farm Managers Training Meeting, Blacksburg, VA. "Cow Culling & Selection".
- Invited Speaker. Buckingham Cattlemen's. Buckingham, Virginia. "Current Estrus Synchronization Protocols and Results from On-farm Research by Virginia Tech".
- Invited Speaker. VA Veterinary Medical Association Annual Meeting, Roanoke, VA. "Beef Quality Assurance Certification for Veterinarians".

### **2005**

- Invited Speaker. Isle of Wight Extension Beef Production Meeting. Windsor, VA. January 20. "Animal nutrition – nutrition and feeding of the cow-calf herd."
- Invited Speaker. Monterey Farm, Berryville, VA. January 28. "Early Pregnancy Diagnosis with ultrasound" and "Results of breeding by total timed-AI."
- Invited Speaker. Virginia Tech Beef Cattle Health Conference, Blacksburg, VA. January 29. "It's Good Times, What Should Be Our Replacement Strategies."
- Speaker: Educational Beef Programs Focusing on Beef Cattle Nutrition. April 5. "Bull Management and Breeding Soundness Examinations."
- Invited Speaker. Danville, VA. May 28. Panel Discussion. "Alternative Market Development – Cattle."
- Speaker: Powell River Project Beef Cattle Management Meeting. Wise County. August 9. "Using Balancer Bulls in the Beef Herd."

### **2004**

- Invited Speaker. Virginia Tech Beef Cattle Health Conference. Blacksburg, VA. January 24. "Poor hay, what to do", and "BQA certification".
- Invited Speaker. Beef Management Seminar. Boyce, VA. January 26. "Beef cow nutrition and reproductive efficiency."
- Invited Speaker. Shen Valley Angus Association Annual Meeting. January 29. Verona, VA. "Bovine Spongiform Encephalopathy – It's effects in Virginia".
- Invited Speaker. Beef Management Seminar. Stanley, VA. February 12. "Beef cow nutrition and reproductive efficiency".
- Invited Speaker. Bovine Reproductive Symposium – Food Animal Practice Club. Blacksburg, VA. February 20. "Physiologic development of the beef replacement heifer" and "Beef ration balancing".
- Invited Speaker. Buckingham Area Beef Series. Dilwyn, VA. March 30. "Energy, protein, and mineral effects on reproduction in beef cows."
- Invited Speaker. Beef Cattle ID Fieldday. Monterey, VA. May 6. "Freeze branding demonstration." and "Nation animal ID update".
- Speaker. Beef Quality Assurance Certification Program. Danville, VA. February 25; Greenville, VA. February 26; Dublin, VA, May 1; Keysville, VA. May 18; Gate City, VA. May 20.

- Invited Speaker. 2004 Summer Conservation Farm Tour. Botetourt County. July 22. "Livestock Identification."
- Invited Speaker. Amelia County Cattlemen's Field Day. Blackstone, VA. August 6. "Selecting and Raising Replacement Heifers."
- Invited Speaker. Halifax Area Beef Meeting. Halifax, VA. September 17. "Nutrition of Bred Heifers."
- Speaker. NRCS Field Staff Training. Dublin, VA. September 22. "Body Condition Scoring Cows and Understanding Impacts of Cow Size of Forage Use."
- Invited Speaker. Beef Cattle Management Institute. Prince Edward County. October. 5 and October 7. "Expanding Beef Producer Knowledge for the Industry's Future."
- Invited Speaker. Beef Cattle Management Institute. Goochland County. October 12. "Expanding Beef Producer Knowledge for the Industry's Future."
- Invited Speaker. Buckingham Cattlemen's Association Annual Meeting. October 13. "Five Years of Research at the Buckingham Correctional Center: What Have We Learned."
- Invited Speaker. Beef Cattle Management Institute. Powhatan County. October 14. "Expanding Beef Producer Knowledge for the Industry's Future."
- Invited Speaker. Beef Cattle Management Institute. Red House, VA. November 19. "Expanding Beef Producer Knowledge for the Industry's Future."
- Invited Speaker. Southside Area Beef Conference. Halifax, VA. December 2. "Designing Working Facilities for Cow/Calf Operations."

### **2003**

- Invited Speaker. Virginia Tech Beef Cattle Health Conference. Blacksburg, VA. January 25. "In what kind of shape is your cow."
- Invited Speaker. Southwest Virginia Forage Conference. Dublin, VA February 18. "Managing animals During Dry Times."
- Speaker. Beef Quality Assurance Certification Program. South Hill, VA. February 27; Roanoke, VA. March 4; Fredericksburg, VA. March 8; Holland, VA. March 12; Powhatan, VA. March 15; Lynchburg, VA. March 22.. Culpeper, VA. March 25; Front Royal, VA. March 25; Wytheville, VA. March 26; Monterey, VA. April 29; Harrisonburg, VA June 3.
- Invited Speaker. Beef Cattle Breeding Management Workshop. Monterey, VA. March 10. "Prebreeding health management of the cow herd, tools and procedures in synchronizing heifers and cows for calving management."
- Invited Speaker. Beef Cattle Health Conference and BQA Certification Class. April 10. "In what kind of shape is your cow" and "Beef quality assurance – prudent drug use injection sites."
- Invited Speaker. Bland Farm Management and Wythe Agribusiness Groups. Bland, VA. April 16. "Estrus synchronization."
- Invited Speaker. Lousia and Fauquier Co. Cattlemen's Short course. April 16 via V-Tel. "Understanding estrous synchronization".
- Speaker. Beef Quality Assurance Certification Program. Abingdon, VA. July 22; Galax, VA. July 24; Mannboro, VA, September 12; Red House, VA. October 9; Delaplane, VA. October 10; Harrisonburg, VA. October 8; Tazewell, VA. October 18; Steeles Tavern, VA. October 20; Russell/Scott, VA. October 23; Emporia, VA. October 28; Stony Creek, VA. October 29; Independence, VA. October 30; Dillwyn, VA. November 5; Rocky Mount, VA. November 6; Bland, VA. November 17; Halifax, VA. November 19
- Speaker. Virginia Cattlemen's Association Conference and Trade Show. Abingdon, VA. July 11-12.
- Speaker. Shenandoah Valley Agricultural Research & Extension Center Field Day. Steeles Tavern, VA. July 31. "Optimum nutrition for development of breeding heifers".



Invited Speaker. 11<sup>th</sup> Annual Amelia Area Cattlemen's Summer Educational Meeting. Mannboro, VA. September 12. "First year heifer development".

Speaker and Co-coordinator. New Animal Science Extension Agent Training. Blacksburg, VA. September 24-25. "How we work for and with you", "The Mid-Atlantic BQA program", "Body condition scoring cows – How, why, when and using it as an educational program", "Cow culling and herd productivity evaluation".

Invited Speaker. New River Valley Regional Beef School. Blacksburg, VA. September 29. "Cow, calf and stocker immunizations, persistently infected calves, and BVD problems".

Invited Speaker. Area Beef Conference, Southern Piedmont AREC. Blackstone, VA. December 9. "Culling cows and selecting replacement heifers for profitability."

## **2002**

Speaker, New River Valley Beef Producer Meeting. Blacksburg, VA. January 17. "Using artificial insemination and estrous synchronization to meet the changing beef industry."

Invited Speaker, Virginia Beef Cattle Health Conference. Blacksburg, VA. January 26. "Herd troubleshooting."

Speaker, 4-H and FFA Steer Feeding and Management Workshop. January 31. "Feeding and steer health management."

Speaker, Cow-Calf Management School. Bland, VA. February 2. "Year-round cow herd nutrition and ration balancing."

Speaker. Valley Beef Cattle Health Conference. Staunton, VA. February 15. "In and out of grass tetany and trouble shooting the cow herd."

Invited Speaker, Virginia Beef Cattle Health Conference. Blacksburg, VA. February 15. "Herd troubleshooting" and "Ins and outs of grass tetany."

Speaker. Cow-Calf Management School. Bland, VA. February 16. "Reproduction anatomy of the cow and beef cow reproductive management."

Speaker, Amherst County Meeting. February 20. "GnRH based systems (select-synch, ovsynch, and co-synch), MGA-PGF for heifers and the new CIDR's."

Invited Speaker, Food Animal Practitioners Club of the Virginia Maryland Regional College of Veterinary Medicine. Blacksburg, VA. February 22. "Nutrition reproduction interactions in beef cow reproduction."

Speaker, Pittsylvania County Cattlemen's Meeting. May 9. "Heifer development – what do we need to be doing?" and "What is the future on feeding broiler litter."

Speaker, Craig County Beef Producers. April 23. "Selecting, managing, and breeding heifers."

Invited Speaker, Fourteenth Annual Research Symposium Program. June 7, "Effect of dose of GnRH used in the ovsynch system on AI pregnancy rates in beef cows."

Invited Speaker. Animal & Poultry Sciences Extension Agent In-Service Training. July 16-19. "Understanding the alphabet soup programs", "Understanding estrus synchronization programs", "Fescue symposium - mitigating animal symptoms and animal management."

Speaker. Southside Beef Producers Field Day. Amelia, VA. October 10. "Beef quality assurance."

Invited Speaker. Southside Beef Expansion Meetings. South Boston, VA. October 16. "Economic impact of expanding the beef industry in Southside Virginia."

Invited Speaker. Coalfield Cattlemen's Association. Clintwood, VA. October 17. "Nutritional management of drought stress cows."

Invited Speaker. Buckingham Cattlemen's Association Annual Meeting. Dillwyn, VA. October 22. "Meeting the nutritional needs of cows in times of drought" and "Using CIDR's to synchronize estrus in beef cows."

Invited Speaker. Pittsylvania Cattlemen's Association. Gretna, VA. November 6. "Southside beef expansion" and "What's involved with BQA certification."

Speaker. Virginia Beef Quality Assurance Producer Certification. Aldie, VA, November 13 and Halifax, VA, December 10. "Maintaining a safe feed supply", "Production of non-feed beef-proper culling", and "Record keeping."

Invited Speaker. Blackstone Area Beef Conference. Blackstone, VA. December 17. "Stretching hay supplies" and "Estrus synchronization programs for Virginia beef herds."

Speaker. Nelson-Bedford-Campbell Herd Health Series. Lynchburg, VA. December 17. "Reproductive diseases of beef cows – symptoms, prevention and control."

## **2001**

Speaker. Cow/Calf Management Course. Southeast VA. January 10 & 11. "Cow/calf nutrition and the production year", "Rumen microbiology", "Understanding forage analysis" and "Balancing cattle rations."

Speaker. Cow/Calf Management Course. Northeast VA. January 13. "Cow/calf nutrition and the production year", "Rumen microbiology", "Feed identification" and "Balancing cattle rations."

Invited Speaker. Food Animal Practitioners Club of the Virginia Maryland Regional College of Veterinary Medicine. Blacksburg, VA. February 2 & 3. "The hormonal profile of puberty", and "Principles of beef heifer management."

Invited Speaker. Berryville Area Beef Producers Meeting. February 9. "Year-round nutrition of the beef cowherd."

Speaker. Cow/Calf Management Course. Botetourt/Alleghany. February 10. "Estrus cycle of the cow" and "Reproductive management."

Speaker. 2001 Area Forage Conference. Blackstone. February 15. "Reames case study results."

Speaker. Virginia Beef Industry Convention and VA Beef Producers Short Course. Hot Springs, VA. February 17-19. "Trouble shooting reproductive problems."

Speaker. Cow/Calf Management Course. Botetourt/Alleghany. March 10. "Injections and beef quality assurance" and "Feeder cattle processing."

Speaker. Cow/Calf Management Course. Southside VA. March 10. "Parasite control."

Speaker. VA Beef Exposition. Lexington VA. April 13. "How good is this hay really?" and "Meeting the nutritional needs of your cattle at different stages of production."

Invited Speaker. Highland/Bath Beef Producers Field day. Bolar, VA. May 3. "Body condition scoring beef cows" and "Estrus synchronization systems for commercial producers."

Invited Speaker. VCE Annual Conference. Blacksburg May 22. "Using the V-Tel system for Ag Programming – Body condition scoring cows."

Invited Speaker. Animal & Poultry Sciences Extension Agent In-Service Training. July 17-19. "Computer ration balancing program", "Basic cowherd record analysis program", "Bred heifer marketing strategies", and "Caution with the use of biosolids."

Speaker, Brunswick Beef Cow and Calf Workshop, Brunswick Correctional Center. August 28. "Nutrition/body condition score."

Invited Speaker. Buckingham Cattlemen's Association. October 16. "Endophyte infected fescue and low milk in cows."

## **2000**

Invited Speaker. Bland Beef Producers Association Meeting. Bland, VA. January 5. "Alliances - how can we fit in?"

Invited Speaker. Halifax Livestock Producers Association. Halifax, VA. January 20. "Virginia premium assured heifers."

- Speaker. Cow/Calf Management Course. Powhatan, VA. January 22. "Bull selection."
- Invited Speaker. Virginia Tech Cattle Health Conference of 2000. Blacksburg, VA. January 29. "Quality assurance - culling practices and non-fed beef."
- Speaker. Cow/Calf Management Course. Page/Shenandoah. February 12. "Reproductive anatomy of the cow and bull" and "Reproductive management."
- Invited Speaker. Area Beef School. Monterey, VA. February 15. "Trends, problems, and issues to face in a new millennium and how to manage for them."
- Speaker. Virginia Beef Industry Convention and Cattlemen's College. Hot Springs, VA. February 17-19. "The premium assured heifer."
- Invited Speaker. Berkley and Mineral County Grassland Management and Drought Proofing Program. New Creek and Martinsburg, WV. February 21 & 22. "Rotational/grazing and its use in drought proofing."
- Speaker. Cow/Calf Management Course. New River Valley. February 26. "Reproductive anatomy of the cow and bull" and "Reproductive management."
- Invited Speaker. Central District ANR In-Service Training. Blackstone, VA. March 3. "Nutrition/by-product feeds."
- Speaker. Cow/Calf Management Course. Russell/Tazewell. March 4. "Cow culling" and "Freeze branding."
- Speaker. Beef Quality Display. Westmoreland Co. March 16. "Responsible culling."
- Invited Speaker. Smyth County Farm Management Meeting. Chilhowie, VA. March 21. "Premium assured heifer program - an opportunity for the future."
- Invited Speaker. Tazewell County Beef Meeting. Tazewell, VA. April 24. "Matching pastures or hay to animal requirements" and "VCA premium heifer program."
- Speaker. VA Beef Exposition. April 15. "Virginia premium assured heifers" and "Management of your newly purchased bred heifer."
- Invited Speaker. 2000 Central Virginia Beef Cattle Field Day. Fluvanna County. April 29. "Responsible culling improves the herd."
- Speaker. CVCA Dinner Meeting. Orange County. May 3. "Benefits of silage hay bales for a beef producer."
- Speaker. Rockingham Feeder Cattle Association Annual Meeting. June 27. "An overview - making calves to meet today's market."
- Invited Speaker. Animal & Poultry Sciences Extension Agent In-Service Training. July 18-20. "Update on beef producers university and cow/calf management course", "Hands-on evaluation of VAPA heifers", and "Making animal science programming more effective."
- Speaker. Amelia Cattleman Summer Roundup and Southern Piedmont Forage Tour. August 3. "Using fecal NIRS to monitor forage quality and animal performance."
- Invited Speaker. Loudoun County Beef Field day. September 7. "Developing replacement heifers."
- Speaker. Glade Spring AREC Forage/Livestock Field Day. September 14. "The Virginia premium assured heifer program."
- Speaker. VA Premium Assured Heifer Training Session. Buckingham Courthouse. September 28.
- Speaker. Shenandoah Valley Agricultural Research and Extension Center Field Day. October 5. "Synchronization programs and heat detection methods for commercial cattlemen."
- Speaker. 2000 Northern Piedmont Beef and Forage Field Day. October 13. "Selecting replacement females to improve your herd."
- Speaker. Buckingham Cattlemen's Association Meeting. October 17. "Estrus synchronization research at Buckingham Correctional Center."
- Speaker. Cow/Calf Management Course. Northeast VA, October 21. "Feeder cattle grading" and "Feeder cattle marketing options."

Speaker. Beef Producer University. Blacksburg. December 14 & 15. "Associative effects" and "New options for improving reproduction with nutrition."

### **1999**

- Invited Speaker. Beef Cattle Calving Management Meeting. Aldie, VA. January 7. "Cow management: pre-post calving" and "Calf processing – vaccination, identification, castrations and dehorning."
- Speaker. Cow-Calf Management Course Workshop. Marshall, VA. January 22. "Baby calf processing."
- Invited Speaker. Statewide Management-Intensive Grazing Training Program. Blacksburg, VA. February 2. "MiG: beef perspective – knowns/needs/opportunities."
- Speaker. Cow-Calf Management Course Workshop. Blackstone, VA. February 6. "Artificial insemination and estrous synchronization."
- Invited Speaker. On Track With the VVMA. Roanoke, VA. February 13. "Estrus control in beef reproduction."
- Moderator. Virginia Beef Industry Convention. Roanoke, VA. February 25. "Horizontal cattle alliances."
- Invited Speaker. Edinburg Beef Cattle Meeting. Edinburg, VA. March 3. "Advances in synchronization systems – selecting the right one for your program."
- Invited Speaker. VA Tech Livestock and Poultry Youth Weekend. Blacksburg, VA. March 5-6. "Where do calves come from?"
- Invited Speaker. Dublin Feeder Cattle Association Annual Meeting. Dublin, VA. March 16. "Mismanagement price discounts on calves" and "Performance tested sire calf sale."
- Speaker. Cow-Calf Management Course Workshop. Lynchburg, VA. March 20. "Cow culling exercise."
- Invited Speaker. Middle Fork Holston Grazing Conference. Abingdon, VA. March 31. "Management-intensive grazing programs to meet the needs of beef cattle in Virginia."
- Invited Speaker. VFGC Management-Intensive Grazing Workshop. Natural Bridge, VA. May 4-6. "Use of MIG in beef cattle production systems."
- Invited Speaker. Agricultural and Environmental Training for Permit Writers and Inspectors of Confined Animal Feeding Operations (CAFOs) and Other Land-Applied Wastes Department of Environmental Quality (DEQ), Water Division. Blacksburg, VA. May 25. "Beef production systems."
- Invited Speaker. Mason-Dixon Red Angus Field Day, Fort Valley, VA. June 26. "Virginia Tech beef quality assurance."
- Invited Speaker. 36<sup>th</sup> Annual Virginia Tech Animal Industry Day. Blacksburg, VA. July 9. "Beef quality assurance."
- Invited Speaker. Animal & Poultry Sciences In-Service Training. July 13-16. "Developing of an elite replacement heifer program."
- Invited Speaker. Roanoke Feeder Cattle Associations Annual Picnic. Troutville, VA. August 6. "Beef quality assurance exhibit - responsible culling."
- Invited Speaker. In-Service Training. Blacksburg, VA. August 10-11. "Nutritional considerations in controlled grazing systems."
- Invited Speaker. In-Service Training for VCE and NRCS. Blackstone, VA. August 17-18. "Nutritional considerations in controlled grazing systems."
- Invited Speaker. Botetourt Beef Educational Program. Fincastle, VA. October 19. "Management check list."
- Invited Speaker. Cow-Calf Management Course. Russell/Tazewell. October 30. "Feeder cattle goals and grading."
- Invited Speaker. Heifer Management and Freeze Branding Workshop. Shenandoah Valley Agricultural Research and Extension Center. Steeles Tavern, VA. November 11. "Heifer development - weaning to calving."

Invited Speaker. Cow-Calf Management Course. Shenandoah/Page. November 20. "Minerals for beef cattle."

Invited Speaker. VA-NC Grazing Cattle on Fescue Symposia. December 7. "Effects of endophyte injected fescue on beef cattle production."

Invited Speaker. Amelia County Cattlemen's Association Meeting. December 9. "Virginia premium assured heifer program."

### **1998**

Invited Speaker. Winter Beef Meeting. Luray, VA. January 6. "Importance of minerals in the diet of the brood cow and growing heifer."

Invited Speaker. Northern Shenandoah Valley Beef School. Edinburg, VA. January 7. "Mineral supplementation for the breeding unit."

Invited Speaker. Winter Beef Meeting. Berryville and Woodstock, VA. January 7. "Importance of minerals in the diet of the brood cow and growing heifer."

Invited Speaker. Nelson-Amherst Beef Producers Association Meeting. Amherst, VA. January 13. "Winter feeding management for the cow herd."

Invited Speaker. Virginia Tech's Beef Cattle Health Conference. Blacksburg, VA. January 24. "Pasture management for optimal weight gains."

Invited Speaker. Northern Area Forage Conference. Syria, VA. February 6. "Are there disease concerns with the use of litter?"

Invited Speaker. Twilight Pasture Walk. Syria, VA. February 6. "Winter feeding on stockpiled forages."

Invited Speaker. Fincastle Beef Meeting, Fincastle, VA. February 12. "Selecting bulls for improved gains and prices."

Invited Speaker. Bolar Area Beef School. Monterey, VA. February 16. "Prebreeding management, examinations and estrous synchronization programs: getting the most out of your herd."

Invited Speaker. Franklin-Pittsylvania Area Forage Conference. Rocky Mount, VA. February 24. "Meeting nutrition needs of cow-calf vs. stockers with forages."

Invited Speaker. Coalfield Beef Cattle Symposium. Clintwood, VA. February 25. "Cow nutrition and spring management."

Invited Speaker. Bedford Beef Producers Association Winter Meeting. Thaxton, VA. March 4. "Calving and breeding management."

Invited Speaker. Central Virginia Beef Cattle Field Day. Monticello. March 7. "Feeding cows for optimum reproduction."

Invited Speaker. Buckingham Cattlemen's Short Course. Buckingham, VA. March 10. "Reproductive diseases of beef cattle."

Invited Speaker. Southwest Forage Conference. Abingdon, VA. March 12. "Meeting nutritional needs of cow-calf vs. stockers with forages."

Invited Speaker. Beef producers Meeting. Lebanon, VA. April 2. "Ionophores/minerals – effects and needs for stockers on summer pastures."

Invited Speaker. A.I. Meeting. Clintwood, VA. April 7. "Managing A.I. and estrous synchronization."

Invited Speaker. Richmond Area Beef Producer's Meeting. Goochland, VA. April 16. "Managing A.I. in small herds."

Invited Speaker. Botetourt County Cattlemen's Field Day. Fincastle, VA. July 17. "Culling the cow herd."

Invited Speaker. Dickenson-Wise Cattlemen's Field Day. Duffield, VA. July 28. "Estrous synchronization for small herds and results from trials."

- Invited Speaker. Intensive Environmental Management for Dairy and Beef Operations. Rocky Mount, Harrisonburg, and Blackstone, VA. August 4, 11, and 12. "Calf scours."
- Invited Speaker. Clinch Valley Grazing Conference, SW Virginia Community College. August 6. "Management intensive grazing – cattle perspective."
- Invited Speaker. Forage Tour. Orange, VA. August 7. "How to estimate pasture yield and allocate pasture."
- Invited Speaker. Beef Quality Assurance Workshop. Dublin, VA. August 20. "Responsible culling improves herd productivity and efficiency."
- Invited Speaker. Bedford Beef Producers Association Summer Meeting. Bedford, VA. August 22. "Cow culling."
- Speaker. VCA Summer Roundup. Wytheville, VA. August 29. "Beef quality assurance."
- Speaker. Beef Quality Assurance Workshop. Lynchburg, VA. September 2. "Responsible culling improves herd productivity and efficiency."
- Speaker. Beef Quality Assurance Workshop. Abingdon, VA. September 9. "Responsible culling improves herd productivity and efficiency."
- Invited Speaker. Beef Quality Assurance Workshop. Narrows, VA. September 10. "Responsible culling improves herd productivity and efficiency."
- Invited Speaker. Henry County Twilight Beef/Forage Meeting. Axton, VA. September 17. "Forage based beef nutrition."
- Speaker. Beef Quality Assurance Workshop. Spring Lake, VA. September 25. "Responsible culling improves herd productivity and efficiency."
- Invited Speaker. Field Day. Shenandoah Valley Agricultural Research and Extension Center. Steeles Tavern, VA. October 7. "Heifer selection decisions."
- Speaker. Cow-Calf Management Workshop. Lynchburg, VA. October 17. "Virginia feeder cattle production goals."
- Invited Speaker. 1998 Northern Piedmont Beef Conservation Field Day. Madison, VA. October 23. "Responsible culling improves herd productivity and efficiency and heifer and bull selection demonstration."
- Invited Speaker. Shen Valley Angus Field Day, Sugar Loaf Farm. Staunton, VA. October 25. "How the purebred and commercial producers can work together to produce a product desired by the consumer."
- Invited Speaker. Powell River Project Field and Education Day. Wise County, VA. October 27. "Wintering cows '98: Thin cows with limited feed" and "Cow evaluation clinic."
- Invited Speaker. Valley Regional Commercial Beef Breeding School. Mt. Crawford, VA. November 5. "Breeding management – nutrition and health programs."
- Invited Speaker. Farm Management Meeting, Rich Valley, VA. November 16. "Nutritional management of the cow herd and body condition scoring cows."
- Invited Speaker. Campbell County Cattlemen's Association. Rustburg, VA. November 17. "Replacement heifer development and estrous synchronization."
- Invited Speaker. Pittsylvania County Cattlemen's Association. Gretna, VA. November 19. "Stretching hay supplies in winter '98-99 using by-products."
- Speaker. Cow-Calf Management Course Workshop. Orange, VA. November 21. "Balancing beef cow rations."
- Invited Speaker. 1998 Virginia Beef Genetic Management Conference. Staunton, VA. December 7. "Advancements in estrus synchronization and their applications."
- Invited Speaker. Beef Cow 2000, Wakefield, VA. December 10. "Pregalving nutrition, body condition and dystocia management" and "Nutritional differences between young and mature cows."

Invited Speaker. Beef Meeting, Pound, VA. December 22. "Using by-products to stretch hay supplies."

### **1997**

Invited Speaker. 1997 Northern Piedmont Beef Conservation Field Day. Spotsylvania County, VA. September 26. "Heifer selection and cow body condition scoring clinic."

Invited Speaker. Amelia Beef Reproduction Workshop. Amelia, VA. October 21. "Estrous synchronization programs."

Speaker and Co-Coordinator. Beef Cow 2000. Marshall, Blackstone, Abingdon, and Staunton, VA. November 3, 6, 11, and 12. "Growth implants in young heifers", Weaning management/nutrition", Effect of post-weaning growth on reproduction", Prebreeding reproductive and physical examination", Estrous synchronization/induction", Nutrition for continued development", Precalving nutrition, body condition and dystocia management", Nutritional differences between young and mature cows."

Invited Speaker. Southside Virginia Beef Producers Meeting. Windsor, VA. November 8.

Invited Speaker. Southeast Virginia Educational Beef Production Meeting. Windsor, VA. December 15. "Strategies for producing a high percentage calf crop."

### **Honors and Awards:**

2015 Extension Award. Western Section of American Society of Animal Science.

2014 Regional Finalist. National Association of County Agricultural Agents. Communications Team Award.

2013 National Institute of Food and Agriculture Partnership Award as member of the Beef Reproduction Task Force.

2010 American Society of Agronomy Educational Materials Award: *team award for writing Pasture and Grazing Management in the Northwest PNW 614 (see citation below).*

2010 Excellence in Extension Award by University of Idaho: *for writing Pasture and Grazing Management in the Northwest PNW 614; this was a team award and included \$1000, which was used for scholarships for professional development to the Lost Rivers Grazing Academy. Team members from Idaho include from the University of Idaho: Charles Cheyney, Glenn Shewmaker, Shannon Williams, Sarah Baker, Scott Jensen, Brian McLain, Howard Neibling, Christine Falen, Oliver Neher, Tianna Fife, **John Hall**, Jim Church, Rikki Wilson, Kelly Crane, J.Benton Glaze, C. Wilson Gray, and Diane Noel; from USDA: Dan Ogle and Loren St. John; and from Producer/Consultant: Jim Gerrish, and Laura Hooper.*

2008 Recognition of Educational Programs and Service to the Virginia Beef Industry

2006 National Association of County Agricultural Agents Communication Awards – Regional Finalist

**SCHOLARSHIP ACCOMPLISHMENTS:** (Including scholarship of teaching and learning, artistic creativity, discovery, and application/integration)

### **Publications, Exhibitions, Performances, Recitals:**

#### **Refereed/Adjudicated:**

##### **Book Chapters**

**Hall, J. B.** 2013. Nutritional development and the target weight debate. In "Management Considerations in Beef Heifer Development and Puberty". D. J. Patterson and M. F. Smith, Eds. Vet. Clin. Food Anim. 29:537-554.

Wulforst, J. D., S. Kane, J. K. Ahola, **J. B. Hall**, and R. A. Hill. 2012. "Producer Awareness and Perceptions about Feed Efficiency in Beef Cattle" In: Feed Efficiency in Beef Cattle. R. A. Hill, editor. Chapter 3, pp 29-46. Wiley-Blackwell Publishers.

Engel, C., T. Fife, and **J. B. Hall**. 2010. Chapter 10 - Nutritional Needs of Grazing Animals. *In Pasture and Grazing Management in the Northwest*, G.E. Shewmaker and M.G. Bohle (eds.), University of Idaho Extension, Moscow. PNW 614 p.91-106

Prigge, E.C., **J. B. Hall**, and J. W. Comerford. 2008, Chapter 3: Beef Nutrition and Management. (in) *Animal Production Systems for Pasture-Based Livestock Production*. (ed) E. Rayburn. Natural Resource, Agricultural, and Engineering Service (NRAES). Ithaca, NY. Publication 171 pp. 43-80.

### Reviews

**Hall, J. B.** and J. B. Glaze, Jr. 2014. Review: System application of sexed semen in beef cattle. *Prof. Anim. Sci.* 30:279-284

Bellows, R. A., and **J. B. Hall**. Physiology and management of the replacement beef heifer (Review). 1996. *Proc. Canadian Society of Animal Science Annual Meeting*. pp. 217-234.

Schillo, K.K., **J. B. Hall**, and S. M. Hileman. 1992. Effects of nutrition and season on puberty onset in the beef heifer. *J. Anim. Sci.* 70:3994-4005.

### Papers in refereed journals (†corresponding author; \* indicates student of JBH)

**Hall, J. B.** †, R. K. Kasimanickam, J. B. Glaze Jr., and M. C. Roberts-Lew. 2017. Impact of delayed insemination on pregnancy rates to gender selected semen in a fixed-time AI system. *Theriogenology* 102:154-161.

Thomas, J. M., J. W. C. Locke, R. Vishwanath, **J. B. Hall**, M. R. Ellersieck, M. F. Smith, and D. J. Patterson. 2017. Effective use of SexedULTRA™ sex-sorted semen for timed artificial insemination of beef heifers. *Theriogenology* 98: 88-93

Dawson L., R. Kasimanickam, V. Kasimanickam, and **J. B. Hall**. 2017. Fertility of Angus cross beef heifers after GnRH treatment on day 23 and timing of insemination in 14-day CIDR protocol. *Repro. Domestic Anim.* 52:122-129.

Liles Pollock, A. G.\*, S. P. Greiner, W. D. Whittier, and **J. B. Hall**†. 2016. The effects of resynchronization of estrus using a progestin based system. *Prof. Anim. Sci.* 32:627-635.

Kasimanickam R. K., W. D. Whittier, **J. B. Hall**, and J. P. Kastelic. 2016. Estrous synchronization strategies to optimize beef heifer reproductive performance after reproductive tract scoring. *Theriogenology* 86:831-838; <http://dx.doi.org/10.1016/j.theriogenology.2016.03.004>

Kasimanickam, R., S. Schroeder, **J.B. Hall**, and W.D. Whittier. 2015. Fertility following implementation of long- and short-term progesterone based ovulation synchronization protocols in beef heifers. *Theriogenology* 83:1226-1232.

Ahmadzadeh, A., D. Gunn, **J. B. Hall**, and J. B. Glaze, Jr. 2015. Evaluation of treatment with a 5-day versus 7-day controlled internal drug-release insert on reproductive outcomes of beef heifers using a modified timed-artificial insemination protocol. *Professional Animal Scientist* 31:270-277; doi:10.15232/pas.2014-01378

Kasimanickam R., M. Asay, S. Schroeder, V. Kasimanickam, J. M. Gay, J. P. Kastelic, **J. B. Hall**, and W. D. Whittier. Calm Temperament Improves Reproductive Performance of Beef Cows. *Reprod Domest Anim.* 2014 Oct 8. doi: 10.1111/rda.12436. [Epub ahead of print]

Gutierrez, K., R. Kasimanickam, A. Tibary, J. M. Gay, J. P. Kastelic, **J. B. Hall**, and W.D. Whittier. 2014. Effect of reproductive tract scoring on reproductive efficiency in beef heifers bred by timed insemination and natural service versus only natural service. *Theriogenology* 81:918-924.



- Kasimanickam, R., P. Firth, G. Schuenemann, B. Whitlock, J. M. Gay, D. A. Moore, **J. B. Hall**, W. Whittier. 2014. Effect of first GnRH and two doses of prostaglandin F2a in a five day progesterone based CO-Synch program on A.I. pregnancy rate in heifers. *Theriogenology* 81:797-804.
- Welch, C. M., K. J. Thornton, G. K. Murdoch, K. C. Chapalamadugu, C. S. Schneider, J. K. Ahola, **J. B. Hall**, W. J. Price, and R. A. Hill. 2013. An examination of the association of serum IGF-I concentration, potential candidate genes, and fiber type composition with variation in residual feed intake in progeny of Red Angus sires divergent for maintenance energy EPD. *J Anim. Sci.* 91:5626-5636.
- McGee, M., C. M. Welch, **J. B. Hall**, W. Small, R. A. Hill. 2013. Evaluation of Wagyu for residual feed intake: Optimizing feed efficiency, growth, and marbling in Wagyu cattle. *Prof. Anim. Sci.* 29:51-56.
- Welch, C. M., J. K. Ahola, **J. B. Hall**, G. K. Murdoch, D. H. Crews, Jr., J. I. Szasz, L. C. Davis, M. E. Doumit, W. J. Price, L. D. Keenan, R. A. Hill. 2012. Relationships among performance, residual feed intake, and product quality of progeny from Red Angus sires divergent for maintenance energy EPD requirements. *J. Anim. Sci.* 90:5107-5117.
- Kasimanickam, R., P. Firth, M. Asay, A. Tibary, D. Moore, **J. B. Hall**, W. D. Whittier. Impact of body condition change post-breeding on reproductive performance of beef cows. *Clinical Theriogenology*
- Kasimanickam, R., M. Asay, P. Firth, W. D. Whittier, and **J. B. Hall**. 2012. Artificial insemination at 56 h after intravaginal progesterone device removal improved AI pregnancy rate in beef heifers synchronized with five-day CO-Synch controlled internal drug release (CIDR) protocol *Theriogenology* 77: 1624–1631.
- Dorsey, B. R.\*, R. Kasimanickam, W. D. Whittier, R. L. Nebel, M. L. Wahlberg and **J. B. Hall**<sup>†</sup>. 2011. Effect of time from estrus to AI on pregnancy rates in estrous synchronized beef heifers. *Ani. Reprod. Sci.* 127:1-6.
- Johnson, S. K., R. N. Funston, **J. B. Hall**, D. J. Kesler, G. C. Lamb, J. W. Lauderdale, D. J. Patterson, G. A. Perry, and D. R. Strohbehn. 2011. Multi-state Beef Reproduction Task Force provides science-based recommendations for the application of reproductive technologies. *J. Anim. Sci.* 89:2950-2954.
- Peterson, C., A. Alkar, S. Smith, S. Kerr, **J. B. Hall**, D. Moore, and R. Kasimanickam. 2011. Effects of one versus two doses of prostaglandin F2alpha on AI pregnancy rates in a 5-day, progesterone-based, CO-Synch protocol in crossbred beef heifers. *Theriogenology* 75:1536-1542
- Kasimanickam, R., W. D. Whittier, J. F. Currin, **J. B. Hall**. 2010. Effect of body condition at initiation of synchronization on estrus expression, pregnancy rates to AI and breeding season in beef cows. *Clinical Theriogenology*, Accepted
- Wu, M., **J. B. Hall**, R. M. Akers, H. Jaing. 2010. Effect of feeding level on serum insulin-like growth factor I (IGF-I) response to growth hormone injection. *J. Endo.* 206:37-45.
- Zehnder, C. M., T. D. Maddock, A. DiCostanzo, L. R. Miller, **J. B. Hall** and G. C. Lamb. 2010. Using alfalfa leaf meal as a supplement in late-gestation beef heifer and nursing beef calves. *J Anim Sci* 88:2132-2138.
- Kasimanickam, R., **J. B. Hall**, J. F. Currin, B. Inman, J. S. Rudolph, and W. D. Whittier. 2010. Pregnancy Rates in Angus Cross Beef Cows Bred at Observed Oestrus With or Without Second GnRH Administration in Fixed-Time Progesterone-Supplemented Ovsynch and CO-Synch Protocols. *Reprod. Dom. Anim.* 45: 487–492.
- Bucher, A., R. Kasimanickam, **J. B. Hall**, J. M. DeJarnette, W. D. Whittier, W. Kähn, and Z. Xue. 2009. Fixed-time AI pregnancy rate following insemination with frozen-thawed or fresh-extended semen in progesterone supplemented CO-Synch protocol in beef cows. *Theriogenology* 71:1180-1185.
- Kasimanickam, R., M.L. Day, J.S. Rudolph, **J.B. Hall**, and W.D. Whittier. 2009. Two doses of prostaglandin improve pregnancy rates to timed-AI in a 5-day progesterone-based synchronization protocol. *Theriogenology* 71:762-757.
- Scaglia, G., W. S. Swecker, Jr., J. P. Fontenot, D. Fiske, J. H. Fike, A. O. Abaye, W. Clapham and **J. B. Hall**. 2008. Forage systems for cow-calf production in the Appalachian region. *J. Anim Sci.* 86:2032-

2042.

- Wu, M., A. Wang, G. C. Bernard, **J. B. Hall**, W. E. Beal, R. M. Akers, Y. R. Boisclair, H. Jiang. 2008. Increased degradation of insulin-like growth factor-I in serum from feed-deprived steers. *Dom. Anim. Endo.* 35: 343–351.
- Kasimanickam, R., **J.B. Hall**, J.F. Currin, and W.D. Whittier. 2008. Sire effect on the pregnancy outcome in beef cows synchronized with progesterone based Ovsynch and CO-Synch protocols. *Animal Reproduction Science* 104:1-8.
- R. Kasimanickam, W. D. Whittier, J.C. Collins, J.F. Currin, B.Inman, **J.B. Hall**, K.D. Pelzer. “The effect of a monovalent leptospiral vaccine and parenteral 1 oxytetracycline treatment against *Leptospira borgpetersenii* serovar hardjo type hardjo bovis on the reproductive performance of beef cattle – a field study.” *JAVMA* 2007; 231(11):1709-14.
- Kasimanickam R., J. Collins, J. Wuenschel, Jr, J. Currin, **J. Hall**, and W. Whittier. 2006. Effect of timing of prostaglandin administration, controlled internal drug release removal and gonadotropin releasing hormone administration on pregnancy rate in fixed-time AI protocols in crossbred Angus cows. *Theriogenology* 66:166-172.
- Hall, J. B.** †, B. R. McKinnon, S. P. Greiner, and W. D. Whittier. 2004. Teaching complex in-depth programs. *Journal of Extension* 42 (3) <http://www.joe.org/joe/2004june/a2.shtml>
- Dietz, R. E.\*, **J. B. Hall**†, W. D. Whittier, F. Elvinger, and D. E. Eversole. 2003. Effects of feeding supplemental fat to beef cows on cold tolerance in newborn calves. *J. Anim. Sci.* 81:885-894.
- Grings, E.E., **J.B. Hall**, R.A. Bellows, R.E. Short, S.E. Bellows, and R.B. Staigmiller. 1998. Effect of nutritional management, trace mineral supplementation, and Norgestomet implant on attainment of puberty in beef heifers. *J. Anim. Sci.* 76:2177-2181.
- Hall, J.B.** †, R.B. Staigmiller, R.E. Short and R.A. Bellows, M.D. MacNeil, and S.E. Bellows. 1997. Effects of age and pattern of gain on induction of puberty with a progestin in beef heifers. *J. Anim. Sci.* 75:1606-1611.
- Hall, J.B.** †, R.B. Staigmiller, R.A. Bellows, R.E. Short, W.M. Moseley, and S.E. Bellows. 1995. Body composition and metabolic profiles associated with puberty in beef heifers. *J. Anim. Sci.* 73:3409-3420.
- Patterson, D.J., **J.B. Hall**, N.W. Bradley, K.K. Schillo, B.L. Woods, and J.M. Kearnan. 1995. Improved synchrony, conception rate, and fecundity in postpartum suckled beef cows fed melengestrol acetate prior to prostaglandin F2a. *J. Anim. Sci.* 73:954-959.
- Hall, J.B.** †, K.K. Schillo, B.P. Fitzgerald, and N.W. Bradley. 1994. Effects of recombinant bovine somatotropin and dietary energy intake on growth, secretion of luteinizing hormone, follicular development and onset of puberty in beef heifers. *J. Anim. Sci.* 72:709-718.
- Hileman, S.M., K.K. Schillo, and **J.B. Hall**. 1993. Effects of acute, intracerebroventricular administration of insulin on serum concentrations of luteinizing hormone, insulin and glucose in ovariectomized lambs during restricted and ad libitum feed intake. *Biol. Reprod.* 48:117-124.
- Hall, J.B.** †, K.K. Schillo, S.M. Hileman, and J.A. Boling. 1992. Does tyrosine act as a nutritional signal mediating the effects of increased feed intake on luteinizing hormone secretion in growth-restricted lambs? *Biol. Reprod.* 46:573-579.
- Hall, J.B.** †, D.L. Boggs, R.S. Lowery, and T.E. Kiser. 1991. Effects of dietary energy level on luteinizing hormone and adrenal function in the postpartum beef cow. *Theriogenology* 36:107-116.
- McShane, T.M., K.K. Schillo, J.A. Boling, N.W. Bradley, and **J.B. Hall**. 1989. Effects of somatotropin and dietary energy on development of beef heifers: II. Intermediary metabolism. *J. Anim. Sci.* 67:2237-2244.
- McShane, T.M., K.K. Schillo, J.A. Boling, N.W. Bradley, and **J.B. Hall**. 1989. Effects of somatotropin and dietary energy on development of beef heifers: I. Growth and puberty. *J. Anim. Sci.* 67:2230-2236.
- Whisnant, C.S., T.E. Kiser, F.N. Thompson, and **J.B. Hall**. 1985. Effect of nutrition on the LH response to calf removal and GnRH. *Theriogenology* 24:565-573.

**Reviewed proceedings**

- Sprinkle, J. E., J. B. Taylor, P. E. Clark, M. C. Roberts-Lew, and **J. B. Hall**. 2016. Grazing behavior and production characteristics among cows differing in residual feed intake while grazing late season Idaho rangeland. *Proc. W. Sec. Am. Assoc. Anim. Sci.* 67:1-5.
- Hall, J. B.** †, M. C. Roberts Lew and W. K. Smith. 2016. The effect of straw bedding on dry matter intake and residual feed intake ranking in yearling bulls. *Proc. W. Sec. Am. Assoc. Anim. Sci.* 67:134-137.
- Hall, J. B.** †, J. B. Glaze, Jr., W. K. Smith, and M. C. Roberts. 2015. Relationship among feed efficiency traits and reproduction in heifers. *Proc. W. Sec. Am. Assoc. Anim. Sci.* 66:272-276.
- Glaze, Jr., J. B., **J. B. Hall**, and J. Owens. 2015. Stewardship and Stockmanship: Increasing Awareness of Beef Quality Assurance (BQA) in Idaho. *Proc. W. Sec. Am. Assoc. Anim. Sci.* 66:161-165.
- Hall, J. B.** † and J. Benton Glaze, Jr. 2015. Heifer development: Same challenges – More options. *Proceedings, Applied Reproductive Strategies in Beef Cattle, August 17-18, 2015; Davis, CA.* pp. 130-145.
- Hall, J. B.** †, J. B. Glaze, Jr., and W. K. Smith. 2014. Effect of delaying time of insemination in a fixed-timed AI protocol on pregnancy rates to sexed semen in postpartum beef cows. *Proc. West. Sect. ASAS* 65:199-202.
- Hall, J. B.** † A. Ahmadzadeh, R. H. Stokes, J. K. Ahola, C. Stephenson, J. J. England, and J. B. Glaze, Jr. 2009. Effect of targeted use of a controlled internal drug releasing device (CIDR) in an estrous synchronization system for postpartum beef cows. *Proc. West. Sect. ASAS* 60:257-260.
- Bellows, R.A., R.E. Short, **J.B. Hall**, R.B. Staigmiller, D.A. Phelps, and S.E. Bartlett. 1993. Some effects of exercise and induced parturition on dystocia and rebreeding in beef cattle. *Proc. West. Sect. ASAS* 44:382-385.
- Hall, J.B.** †, R.B. Staigmiller, R.E. Short, R.A. Bellows, S.E. Bartlett, and D.A. Phelps. 1993. Body composition at puberty in beef heifers as influenced by nutrition and breed. *Proc. West. Sect. ASAS* 44:292-295.

**Peer Reviewed Extension Publications**

- Hall, J. B.** 2016. Estrus synchronization for natural service. Western Beef Resource Committee Cattlemen's Library – CL409
- Johnson, S. K., R. N. Funston, **J. B. Hall**, G. C. Lamb, J. W. Lauderdale, D. J. Patterson, and G. A. Perry. 2016. Protocols for Synchronization of Estrus and Ovulation. Cattlemen's Library- Western Beef Resource Committee — CL 405 (Revision)
- Hall, J. B.** 2016. Pelvic Area in Beef Cattle Production. Western Beef Resource Committee Cattlemen's Library CL446.
- Shewmaker, G. E., **J. B. Hall**, and S. D. Baker. 2013. Getting the most feed nutrient for the dollar. Univ. of Idaho Ext. CIS 1201.
- Hall, J. B.** 2012. Sexed Semen: The Newest Reproductive Technology for the Beef Industry. Cattlemen's Library- Western Beef Resource Committee — CL 455
- Hall, J. B.** and D. Gunn. 2012. Pregnancy Testing. Cattlemen's Library- Western Beef Resource Committee — CL 412 (revision)
- Johnson, S. K., R. N. Funston, **J. B. Hall**, G. C. Lamb, J. W. Lauderdale, D. J. Patterson, and G. A. Perry. 2012. Protocols for Synchronization of Estrus and Ovulation. Cattlemen's Library- Western Beef Resource Committee — CL 405
- Hall, J. B.**, A. G. Liles, and W. D. Whittier. 2008. Estrus Synchronization for Heifers. VCE Publication

- 400-302.
- Whittier, W. D., N. M. Currin, J. F. Currin, and **J. B. Hall**. 2007. Calving Emergencies in Beef Cattle: Identification and Prevention. VCE Publication 400-018.
- Youngman R., J. Bloomquist, **J. Hall**, S. Paulson, and W. Whittier. 2006. Agricultural Animal Pest Control: A Guide for Livestock Managers in Virginia. VCE Publication 456-215
- Hall, J.B.**, S. P. Greiner, and C. Gregg. 2004. Cattle Identification: Freeze Branding. VCE Publication 400-301.
- Hall, J.B.**, W.D. Whittier, J.A. Myers, M.A. Cline, and D. Cuddy. 2002. GnRH based estrus synchronization systems for beef cows. VCE Publication 400-013.
- Smith, S.R., **J.B. Hall**, G.D. Johnson, and P.R. Peterson. 2002. Making the most of tall fescue in Virginia. VCE Publication 418-050.
- McKinnon, B.R., **J.B. Hall**, T.W. Covey, and S.P. Greiner. 2001. Virginia cow herd performance check-up. VCE Publication 400-791.
- Hall, J.B.**, and S. Silver. 2001. Nutrition and feeding of the cow-calf herd: Digestive system of the cow. VCE Publication 400-010.
- Hall, J.B.**, W. Seay, and S. Baker. 2001. Nutrition and feeding of the cow-calf herd: Essential nutrients, feed classification and nutrient content of feeds. VCE Publication 400-011.
- Hall, J.B.**, W. Seay, and S. Baker. 2001. Nutrition and feeding of the cow-calf herd: Production cycle nutrition and nutrient requirements of cows, pregnant heifers and bulls. VCE Publication 400-012.
- Eversole, D.E., M.F. Brown, **J.B. Hall**, and R.E. Dietz. 2000. Body condition scoring beef cows. VCE Publication 400-795.
- Hall, J.B.**, B.R. McKinnon, S.P. Greiner, and W.D. Whittier. 1999. Virginia Cow/Calf Management Handbook.

**Peer Reviewed/Evaluated:** (i.e. journals, articles, proceedings, abstracts, etc.)

### Abstracts

- Vinyard, J. R., **J. B. Hall**, J. E. Sprinkle, and G. E. Chibisa. 2017. Effects of feeding Eragrostis Tef hay harvested at different stages of maturity on nutrient intake, ruminal fermentation, and nitrogen utilization in beef cattle. Annual Meeting of the ASAS. Baltimore, MD July 8-12, 2017
- M. M. Woods\*, M. J. Ellison, J. M. Thomas, and **J. B. Hall**. 2017. Effect of feed efficiency and sexed semen on pregnancy rate and early embryonic mortality in beef heifers. Proc. West. Sec. Am. Soc. Anim. Sci. 68:316.
- Sprinkle, J. E., J. B. Taylor, P. E. Clark, M. C. Roberts-Lew, and **J. B. Hall**. 2016. Grazing behavior and production characteristics among cows differing in residual feed intake while grazing late season Idaho rangeland. J. Anim. Sci. 94(E-Suppl. 5):27
- Hall, J. B.**, M. C. Roberts Lew and W. K. Smith. 2016. The effect of straw bedding on dry matter intake and residual feed intake ranking in yearling bulls. J. Anim. Sci. 94(E-Suppl. 5):571
- Hall, J. B.** and M. C. Roberts-Lew. 2016. Comparisons of two short duration estrous synchronization protocols on pregnancy rates to fixed-time AI. J. Anim. Sci. 94(E-Suppl. 5):496
- Hall, J. B.** 2015. Sexed semen: Current commercial applications and what the future may hold for the beef producer. WSASAS Beef Symposium, Ruidoso, NM B06
- Hall, J. B.**, J. B. Glaze, Jr., W. K. Smith, and M. C. Roberts. 2015. Relationship among feed efficiency traits and reproduction in heifers. Annual Meeting of WSASAS, Ruidoso, NM P19

- Glaze, Jr., J. B., **J. B. Hall**, and J. Owens. 2015. Stewardship and Stockmanship: Increasing awareness of Beef Quality Assurance (BQA) in Idaho. Annual Meeting of WSASAS, Ruidoso, NM ES07
- Brasche, C. J., **J. B. Hall**, and M. E. Drewnoski\*. 2015. Effect of trace mineral injection on growth and trace mineral status of nursing beef calves. *J. Anim. Sci.* 93 (Suppl 2):153 (abstr. 345)
- Brasche, C. J., **J. B. Hall**, S. Harrison, and M. E. Drewnoski\*. 2015. Effect of a trace mineral injection on pregnancy rate of purebred and commercial Black Angus heifers synchronized using a 14-day controlled internal drug releasing device–prostaglandin protocol. Volume 93, Supplement 2:88 (abstr. 198)
- Gunn, D., S. Williams, S. Nash, J. B. Glaze, Jr., **J. B. Hall**, C. Teuscher. 2015. “Cowboy” Schools – Getting Dirty and Making Money. Proc. NACAA Annual Meeting, Sioux Falls, SD p. 46
- Hall, J. B.** 2014. Nutritional development and the target weight debate. *J. Anim. Sci.* 92 (E-Suppl. 2):115
- Brasche, C. J., **J. B. Hall**, and M. E. Drewnoski. 2014. Effect of an injectable trace mineral on reproductive performance of beef cows grazing irrigated pasture. *J. Anim. Sci.* 92 (E-Suppl. 2):130
- Welch, C. M., S. E. Speidel, D. H. Crews, J. K. Ahola, **J. B. Hall**, W. Price, and R. A. Hill. 2014. Relationships between maintenance energy EPD and performance measures of progeny from Red Angus sires divergent for maintenance energy EPD. *J. Anim. Sci.* 92 (E-Suppl. 2):133
- McGee, M., C. M. Welch, J. A. Ramirez, G. E. Carstens, W. Price, **J. B. Hall**, and R. A. Hill. 2014. Relationships among feeding behaviors and performance traits of growing and finishing phase Red Angus cattle. *J. Anim. Sci.* 92 (E-Suppl. 2):142
- Brasche, C. J., J. B. Hall, and M. E. Drewnoski. 2014. Effect of an injectable trace mineral on pregnancy rate of virgin heifers when synchronized using the 5 day Co-Synch plus CIDR or 14 day CIDR-PG protocol. *J. Anim. Sci.* 92 (E-Suppl. 2):926
- Welch, C. M. S. E. Speidel, W. J. Price, J. K. Ahola, **J. B. Hall**, G. K. Murdoch, D. H. Crews Jr., C.S. Schneider, and R. A. Hill. 2013. Relationships between residual feed intake EPD and metabolic variables of progeny from Red Angus sires divergent for maintenance energy EPD. *J. Anim. Sci.* Vol. 91, E-Suppl. 2/*J. Dairy Sci.* Vol. 96, E-Suppl. 1
- Welch, C. M. S. E. Speidel, W. J. Price, J. K. Ahola, **J. B. Hall**, G. K. Murdoch, D. H. Crews Jr., C.S. Schneider, and R. A. Hill. 2013. Relationships between residual feed intake EPD and metabolic variables of progeny from Red Angus sires divergent for maintenance energy EPD. *J. Anim. Sci.* Vol. 91, E-Suppl. 2/*J. Dairy Sci.* Vol. 96, E-Suppl. 1
- McGee, M., J. A. Ramirez, G. E. Carstens, **J. B. Hall**, and R. A. Hill Relationships of various feeding behavior indicia with divergent residual feed intake measurements in Japanese Black cattle. *J. Anim. Sci.* Vol. 91, E-Suppl. 2/*J. Dairy Sci.* Vol. 96, E-Suppl. 1
- Brasche, C. J., **J. B. Hall**, R. Kasimanikam, and M. E. Drewnoski. 2013. Effect of an injectable trace mineral on pregnancy rate of virgin heifers when synchronized using the 5 day Co-Synch plus CIDR or 14 day CIDR-PG protocol. WSU-CVM research day, Oct 29, 2013.
- Hall, J. B.** and J. B. Glaze, Jr. 2012. Systems Applications of sexed Semen. *J. Anim. Sci.* 90(Suppl 2):54
- Welch, C.M., G.K. Murdoch, K. Chapalamadugu, K.J. Thornton, J.K. Ahola, **J.B. Hall** and R.A. Hill. 2011. Gene expression of Red Angus sired steers and heifers evaluated for residual feed intake. *J. Anim. Sci.* 89 (Suppl 1):718
- McGee, M., **J. B. Hall**, W. Small, and R. A. Hill. 2011. Interactions of residual feed intake and other performance parameters of Japanese Black (Wagyu) bulls. *J. Anim. Sci.* 89 (Suppl 1):70
- Hall, J. B.**, A. Ahmadzadeh, R. H. Stokes, C. Stephenson, and J. Ahola. 2010. Impact of gender-selected semen on AI pregnancy rates, gender ratios, and calf performance in crossbred postpartum beef cows. 8th International Ruminant Reproduction Symposium. Anchorage, AK.
- Ahmadzadeh A., D. Gunn, **J. B. Hall**, and J. B. Glaze, Jr. 2010. Evaluation of 5-day versus 7- day CIDR treatment on reproductive outcomes of beef heifers using a modified timed-AI protocol. *J. Anim. Sci.* 88, E-Suppl. 2:394
- Hall, J. B.**, B. R. Johnson, R. H. Stokes, and R. Ambrosek. 2010. Summer annuals for fall grazing in the

- high elevation Intermountain West. *J. Anim. Sci.* 88, E-Suppl. 2:54
- Johnson, S.K., R.N. Funston, **J.B. Hall**, D.J. Kesler, J.W. Lauderdale, G.C. Lamb, D.J. Patterson, G.A. Perry, and D.R. Strohbehn. 2010. Multi-state Beef Reproduction Task Force provides science based recommendations for the application of reproductive technologies. *J. Anim. Sci.* 88, E-Suppl. 2:188
- Welch, C. M., J. K. Ahola, **J. B. Hall**, J. I. Szasz<sup>1</sup>, L. Keenan, and R. A. Hill. 2009. Physiological drivers of variation in feed efficiency in Red Angus-sired calves. *J. Anim. Sci.* Vol. 87, E-Suppl. 2:322.
- Ahmadzadeh, A., D. Falk, D. Gunn, **J. B. Hall**, and B. Glaze. 2009. Reproductive outcomes of beef heifers treated with various duration of CIDR exposure in a modified timed-AI protocol. *J. Anim. Sci.* Vol. 87, E-Suppl. 2:264
- Liles, A. G.\*, S. P. Greiner, L. Wright, and **J. B. Hall**. 2008. Effects of Max-Q or KY-31 fescue pastures on development and pregnancy rates in replacement beef heifers. *J. Anim. Sci.* 86 (E-Suppl. 3): 19
- Hall, J. B.**, B. R. McKinnon, W. D. Whittier, and S. P. Greiner. 2008. The Virginia Quality Assured (VQA) certified feeder calf program: Ten years of value-added feeder cattle marketing. *J. Anim. Sci.* 86 (E-Suppl. 3): 6
- Kasimanickam R., M.L. Day, J.S. Rudolph, **J.B. Hall**, W.D. Whittier. 2008. Comparison of one versus two doses of prostaglandin F2 alpha in a 5-day, progesterone-based synchronization protocol in Angus-cross beef cows. *Theriogenology* 70:585.
- Kasimanickam, R., W. D. Whittier, **J. B. Hall**, J. F. Currin, K. D. Pelzer, and B. Inman. 2007. The effect of a monovalent leptospiral vaccine and parenteral oxytetracycline treatment against *Leptospira borgpetersenii* serovar hardjo type hardjo bovis on the reproductive performance of beef cattle--A field study. *Theriogenology* 68:492-493.
- Wilson, K.N.\*, M.L. Day, W.D. Whittier, R. Kasimanickam, and **J.B. Hall**. 2007. Comparison of 5-day or 7-day CIDR-based estrous synchronization systems for fixed-time AI in beef heifers. Annual Meeting of the Southern Section of ASAS. February 2-5, 2007. Mobile, AL
- Wu M., R. Akers, R. Torres-Diaz, S. Frank, **J. Hall**, B. Beal, H. Jiang. 2006. Food deprivation-induced decrease in blood insulin-like growth factor-I is associated with decreased liver growth hormone receptor mRNA and protein in steers. *J. Anim. Sci.* 84: (Suppl 1.) 451.
- Stegner, J.E.\*, B. Laudermilch, W.D. Whittier, R. Kasimanickam, D. Colling, and **J.B. Hall**. 2006. Effect of a mineral mix containing Tasco® meal on performance and reproduction in mature beef cows. *J. Anim. Sci.* 84 (Suppl. 1): 56
- Hall, J. B.**, W.D. Whittier, J.C. Wuenschel, and R. Kasimanickam. 2006. Effectiveness of CIDR-based estrous synchronization systems for natural service and AI in replacement heifers. *J. Anim. Sci.* 84, (Suppl. 2): 33.
- Wuenschel, J. C.\*, D.L. Cuddy, S.P. Greiner, and **J.B. Hall**. 2005. Effect of source of energy on growth and reproduction of replacement beef heifers. *J. Anim. Sci.* 83(Suppl. 2): 23.
- Dorsey, B.R\*., **J.B. Hall**, W.D. Whittier, and W.S. Swecker, Jr. 2004. Effect of timing of insemination and estrous synchronization method on AI pregnancy rates in beef heifers. *J. Anim. Sci.* 82(Suppl. 1): 255.
- Hall, J.B.**, S. Greiner, J. Currin, and W.D. Whittier. 2004. Development of a chuteside and electronic beef quality assurance (BQA) record systems. *J. Anim. Sci.* 82(Suppl. 2): 10.
- Hall, J.B.**, S.P. Greiner, B.R. McKinnon, and W.D. Whittier. 2002. A heifer development system emphasizing genetics – The Virginia premium assured heifer program: program development and requirements. *J. Anim. Sci.* 80(Suppl. 1):208.
- Hall, J.B.**, S.P. Greiner, B.R. McKinnon, and W.D. Whittier. 2002. A heifer development system emphasizing genetics – The Virginia premium assured heifer program: marketing. *J. Anim. Sci.* 80(Suppl. 1):208.
- Brown, D.R., C.G. Lamb, R. Matheson, and **J.B. Hall**. 2002. Effect of pasture forage specie and management on animal performance. *Proc. Amer. Forage Council.* 11:286.
- Whittier, W.D., **J.B. Hall**, A. Britt, M. Cline. 2002. Effect of dose GnRH used in the ovsynch system on AI

- pregnancy rates in beef cows. *The Bovine Practitioner* 36:129-130.
- Cline, M.A.\*, **J.B. Hall**, and W.D. Whittier. 2002. Efficacy of synthetic GnRH analogs for estrous synchronization. *J. Anim. Sci.* 80(Suppl. 1):135.
- Cuddy, D.L.\*, **J.B. Hall**, W.E. Beal, and W.S. Swecker. 2002. Effect of high fat diet on reproduction in replacement beef heifers. *J. Anim. Sci.* 80(Suppl. 1):410.
- Horsley, D.S.\*, **J.B. Hall**, D.E. Eversole, J.P. Fontenot, and M.L. Wahlberg. 2002. Predicting the nutritional status of mature beef cows. *J. Anim. Sci.* 80(Suppl. 1):102.
- Baitis, H. K.\*, **J.B. Hall**, D.E. Eversole and D.L. Cuddy. 2001. Effectiveness of a stand-alone electronic estrus detection device – MountCount. *J. Anim. Sci.* 79(Suppl. 1):254.
- Dietz, R.E.\*, **J.B. Hall**, and W.D. Whittier. 2000. Effects of feeding beef heifers whole cottonseed or safflower seed during gestation on cold tolerance in newborn calves. *J. Anim. Sci.* 78(Suppl. 1):223.
- Hall, J.B.**, A. DiCostanzo, J. Cassady, and D.R. Brown. 1997. Effects of two estrous synchronization systems for early postpartum beef cows. *J. Anim. Sci.* 75(Suppl. 1):236.
- Short, R.E., S.P. Ford, J.P. Rosazza, D.B. Farley, J.A. Klavons, and **J.B. Hall**. 1996. Effects of feeding pine needles and pine needle components to late pregnant cattle. *J. Anim. Sci.* 74(Suppl. 1):210.
- Hall, J.B.**, R.B. Staigmiller, R.E. Short, R.A. Bellows, and S.E. Bartlett. 1994. Effect of age and growth rate on induction of puberty with a progestin in beef heifers. *J. Anim. Sci.* 72(Suppl. 1):79.
- Staigmiller, R.B., R.E. Short, R.A. Bellows, and **J.B. Hall**. 1994. Variations in a single injection protocol for superovulation in beef cows. *J. Anim. Sci.*(Suppl. 1):80.
- Bellows, R.A., R.E. Short, **J.B. Hall**, R.B. Staigmiller, D.A. Phelps, and S.E. Bartlett. 1993. Effects of exercise and induced parturition on dystocia and rebreeding in beef cattle. *J. Anim. Sci.* 71(Suppl. 1):247.
- Hall, J.B.**, R.B. Staigmiller, R.E. Short, R.A. Bellows, S.E. Bartlett, and D.A. Phelps. 1993. Body composition of puberty in beef heifers as influenced by nutrition and breed. *J. Anim. Sci.* 71(Suppl. 1):205.
- Staigmiller, R.B., R.A. Bellows, R.E. Short, M.D. MacNeil, **J.B. Hall**, D.A. Phelps, and S.E. Bartlett. 1993. Conception rates in beef heifers following embryo transfer at the pubertal or third estrus. *Theriogenology* 39:315.
- Hall, J.B.**, B.L. Woods, K.K. Schillo, and N.W. Bradley. 1992. Effects of prepuberal energy intake and recombinant bovine somatotropin (BST) on performance of beef heifers and their offspring. *J. Anim. Sci.* 70(Suppl. 1):288.
- Bellows, R.A., R.B. Staigmiller, **J.B. Hall**, R.E. Short, J.H. Killen, and B.W. Knapp. 1992. Size relationships among dam, fetus and calf. *J. Anim. Sci.* 70(Suppl. 1):278.
- Hileman, S.M., K.K. Schillo, J.M. Kearnan, **J.B. Hall**, and S. Mohapatra. 1991. Effects of metabolic fuel restriction on patterns of LH and GH in ovariectomized lambs. *Biol. Reprod.* 44(Suppl. 1):87.
- Patterson, D.J., **J.B. Hall**, N.W. Bradley, K.K. Schillo, J.M. Kearnan, and B.L. Woods. 1991. Improved fertility during synchronized estrous periods in postpartum suckled beef cows fed melengestrol acetate prior to a double-injection prostaglandin F2a treatment. *J. Anim. Sci.* 69(Suppl. 1):395.
- Schillo, K.K., **J.B. Hall**, and S.M. Hileman. 1991. Effects of the environment on onset of puberty in the beef heifer. *J. Anim. Sci.* 69(Suppl. 1):485.
- Hileman, S.M., K.K. Schillo, M.J. Estienne, **J.B. Hall**, M.A. Green, and J.A. Boling. 1990. Effects of short-term intracerebroventricular (ICY) administration of insulin (INS) on LH release in lambs during restricted and ad libitum feeding. *Biol. Reprod.* 43(Suppl. 1):386.
- Hileman, S.M., K.K. Schillo, M.J. Estienne, **J.B. Hall**, M.A. Green, and J.A. Boling. 1990. Effects of short-term intracerebroventricular administration of D,L-2-amino-5-phosphonovaleric acid (AP5), a N-methyl aspartate receptor antagonist, on LH release in ovariectomized ewe lambs. *J. Anim. Sci.* 68 (Suppl. 1):440.

- Patterson, D.J., **J.B. Hall**, N.W. Bradley, and K.K. Schillo. 1990. Estrous response and conception rate at first service of postpartum suckled beef cows after melengestrol acetate (MGA), 48-h calf removal and prostaglandin F2a. *J. Anim. Sci.* 68(Suppl. 1):423.
- Hall, J.B.**, K.K. Schillo, B.P. Fitzgerald, S.M. Hileman, M.J. Estienne, N.W. Bradley, and J.A. Boling. 1990. Effects of somatotropin and dietary energy on LH secretion, follicular growth and onset of puberty in beef heifers. *J. Anim. Sci.* 68(Suppl. 1):437.
- Hall, J.B.**, K.K. Schillo, S.M. Hileman, M.J. Estienne, M.A. Green, and J.A. Boling. 1990. Does tyrosine act as a nutritional signal mediating the effects of increased feed intake on luteinizing hormone secretion in growth-restricted lambs? *Biol. Reprod.* 43(Suppl. 1):389.
- Nichols, C.G., K.K. Ragland, K.R. Kieborz, and **J.B. Hall**. 1990. Poster sessions for a production course. *J. Anim. Sci.* 68(Suppl. 1):62.
- McShane, T.M., K.K. Schillo, J.A. Boling, N.W. Bradley, and **J.B. Hall**. 1988. Effects of somatotropin and dietary energy on development of beef heifers: II. Intermediary metabolism. *J. Anim. Sci.* 67(Suppl. 1):253.
- McShane, T.M., K.K. Schillo, J.A. Boling, N.W. Bradley, and **J.B. Hall**. 1988. Effects of somatotropin and dietary energy on development of beef heifers: I. Growth and puberty. *J. Anim. Sci.* 67(Suppl. 1):252.
- Hall, J.B.**, T.E. Kiser, W.L. Jenkins, C.S. Whisnant, R.S. Lowery, and T.G. Althen. 1984. Effect of energy level on catecholamine, insulin, cortisol and luteinizing hormone concentrations in postpartum beef cows. *J. Anim. Sci.* 59(Suppl. 1):324.
- Whisnant, C.S., T.E. Kiser, and **J.B. Hall**. 1984. Effect of nutrition on luteinizing hormone response to calf removal and gonadotropin releasing hormone. *J. Anim. Sci.* 59(Suppl. 1):323.
- Other:** (reports, proceedings, papers, citations and references, performances)
- Hall, J. B.** and J. Benton Glaze, Jr. 2013. The use of sexed semen in the beef industry. Proceedings of Applied Reproductive Strategies in Beef Cattle. October 15 & 16; Staunton, VA
- Hall, J. B.** 2013. How Can Sexed Semen Be Used In Commercial Beef Herds? Proceedings, The Range Beef Cow Symposium XXIII. December 3, 4, and 5, 2013 Rapid City, South Dakota
- Brasche, C. J., **J. B. Hall** and M. E. Drewnoski. 2013. Effect of an injectable trace mineral (Multimin®90) on reproductive performance of cows. *Univ. of Idaho Beef Report*, pp 20-23.
- Brasche, C. J., **J.B. Hall**, R. Kasimanickam, and M.E. Drewnoski. 2013. Effect of an injectable trace mineral on pregnancy rate of heifers when synchronized using the 5 day Co-Synch plus CIDR or 14 day CIDR-PG protocol. *Univ. of Idaho Beef Report*, pp 24-27.
- Glaze, J. B. Jr., W. K. Smith, and **J. B. Hall**. 2013. Use of terminal type and crossbred bulls in commercial cow/calf operations – Research Update. *Univ. of Idaho Beef Report*, pp 42-45.
- Hall, J. B.**, M. E. Drewnoski, and W. K. Smith. Calving Management Course – AVS 499. *Univ. of Idaho Beef Report*, pp 46
- Hall, J. B.** Idaho Beef Quality Assurance 2008-2013. *Univ. of Idaho Beef Report*, pp 49
- Hall, J. B.** 2012. Can sexed semen work in your herd? Applied Reproductive Strategies in Beef Cattle; Conference Proceedings. December 3&4, 2012. Sioux Falls, SD.
- Hall, J. B.** 2011. Sexed Semen – The newest reproductive technology for the beef industry. Proceedings NCBA Cattlemen’s College. February 2, Denver, CO.
- Hall, J. B.** 2011. Nutritional influences on reproduction: energy and protein. Applied Reproductive Strategies in Beef Cattle. Conference Proceedings August 31 & September 1, 2011 Joplin, MO pp 253-271.
- Hall, J. B.** 2011. Strategies to optimize use of AI in cow/calf production systems. Applied Reproductive Strategies in Beef Cattle – Northwest; Conference Proceedings September 30 & October 1, 2011 Boise, ID. pp 9-19.
- Hall, J.B.** 2007. Supplementation and management strategies to optimize reproductive performance. *Proc.*



- Beef Producers University. VA Tech Department of Animal & Poultry Sciences. P. 2-19.
- Hall, J.B.** 2007. Estrous synchronization systems for heifers. Proc. Beef Producers University. VA Tech Department of Animal & Poultry Sciences. P. 30-39.
- Hall, J. B.** 2007. Cattle management and supplementation strategies to improve reproduction of cattle on fescue. Proc. NCBA Cattlemen's College. Fescue Management and Cattle Adaptation RM 104:5-12.
- Hall, J.B.** 2007. Minerals-Modern tools for the cow/calf herd. Proc. VA Cow/Calf Conference. VA Coop. Ext. pg. 11-17.
- Hall, J.B.** 2007. Nutrition management of cows – Between calving and breeding important for reproductive success. The Virginia Angus Association. Vol 3, No. 1, pg. 11-13.
- Hall J.** 2006. Supplementation and management strategies to optimize reproductive performance. Proceedings of Applied Reproductive Strategies in Beef Cattle pp 233-252 St. Joseph, MO and Rapid City, SD.
- Webb D., A. Abaye, **J. Hall**, W. Whittier, J. Rockett, C. Zipper. 2006. Utilization of reclaimed mine pasture species with mixed species grazing. Powell River Project Research and Education Program Reports. Virginia Tech, Blacksburg. p. 68-72.
- J. Hall**, W. Whittier and A. Abaye. 2006. beef cattle production on reclaimed surface mined land. Powell River Project Research and Education Program Reports. Virginia Tech, Blacksburg. p. 73-78.
- Hall J.**, W. Whittier, R. Kasimanickam, J. Wuenschel, Jr\*. 2006. Effectiveness of CIDR-based estrous synchronization systems for natural service and AI in replacement heifers. Annual Report of NCR-87 Beef Cow-Calf Nutrition and Management Committee.
- Hall J.**, J. Stegner, W. Whittier, J. Wuenschel, Jr\*, B. Laudermilch. 2006. The effects of Tasco mineral on pregnancy rate and performance of mature beef cows grazing endophyte infected fescue. Annual Report of NCR-87 Beef Cow-Calf Nutrition and Management Committee.
- Hall J.**, S. Greiner, J. Wuenschel, Jr\*. 2006. Value-added forage-based growing beef cattle systems for southwest Virginia. Annual Report of NCR-87 Beef Cow-Calf Nutrition and Management Committee.
- Dorsey, B. D.\*, J. C. Wuenschel, W.D. Whittier, W.S. Swecker, and **J.B. Hall**. 2005. Effect of timing of insemination and estrous synchronization method on AI pregnancy rates in beef heifers. Annual Report to NCR-87. pp 74-76.
- Wuenschel, J. C. \*, B.D. Dorsey, W.E. Beal, and **J. B. Hall**. 2005. Effect of PUFA on prostaglandin release in beef cows. Annual Report to NCR-87. pp 77.
- Hall, J.B.** and M.A. Davis. 2005. Effect of fertilization with biosolids on nutrient content of cool season pastures.. Annual Report to NCR-87. pp 108-109.
- Kasimanickam, R., W.D. Whittier, and **J.B. Hall**. 2004. Effect of timing of second GnRH injection on the pregnancy rate of CIDR based fixed time artificial insemination program. Proceedings Virginia-Maryland Regional College of Veterinary Medicine 16<sup>th</sup> Annual Research Symposium.
- Hall, J.B.** 2004. Physiologic development of the beef replacement heifer Proceedings of the Bovine Reproductive Symposium – Food Animal Practice Club. Blacksburg, VA.
- Hall, J.B.** and S.R. Smith. 2003. Virginia pasture forage database. Annual Report to NCR-87.
- Hall, J.B.** and D.L. Cuddy\*. 2003. Effect of energy source on reproduction in replacement heifers. Annual Report to NCR-87
- Hall, J.B.** 2002. Nutrition reproduction interactions in beef cows. Proc. Current Topics in Bovine Reproductive Management. VA-MD Regional College of Veterinary Medicine.
- Hall, J.B.** 2001. Hormonal aspects of puberty in heifers. Proc. Current Topics in Bovine Reproductive Management. VA-MD Regional College of Veterinary Medicine.
- Horsley, D.S.\*, **J.B. Hall**, D.E. Eversole, J.P. Fontenot, M.L. Wahlberg, and J.W. Stuth. 2001. Determining the nutritional status and needs of mature beef cows: A program for evaluation and education in the Virginia region. NCR-87 Annual Report. pp. 98.

- Cline, M.A.\* **J.B. Hall**, and W.D. Whittier. 2001. Efficacy of commercial GNRH preparations for use in the Ovsynch synchronization protocol: beef cattle field trials. NCR-87 Annual Report. pp. 101.
- Cuddy, D.L.\* **J.B. Hall**, D.E. Eversole. 2001. Effectiveness of a stand-alone electronic estrus detection device – Mount Count. NCR-87 Annual Report. pp. 102.
- Hall, J.B.** 2001. Replacement heifer management. Proc. Current Topics in Bovine Reproductive Management. VA-MD Regional College of Veterinary Medicine.
- Hall, J.B.** 2001. Associative effects of feeds. Proc. Beef Producers University. VA Tech Department of Animal & Poultry Sciences.
- Hall, J.B.** 2001. New options for improving reproduction with nutrition. Proc. Beef Producers University. VA. Tech Department of Animal & Poultry Sciences.
- Hall, J.B.**, 2000. B.R. McKinnon, S.P. Greiner, K. Sanders and W.D. Whittier. The Virginia beef cattle efficiency program. Proc. of the First National Conference on Grazing Lands. Las Vegas, NV.
- Hall, J.B.** 2000. Traditional estrus synchronization systems - why they work - when do they fail. Proc. Beef Producers University. VA Tech Department of Animal & Poultry Sciences.
- Hall, J.B.** 2000. Reproductive evaluation of heifers. Proc. Beef Producers University. VA Tech Department of Animal & Poultry Sciences.
- Horsley, D.S.\* **J.B. Hall**, D.E. Eversole, and J.W. Stuth. 2000. Determining nutritional status and needs of beef cattle using fecal NIRS: a program for evaluation and education in the Virginia region. NCR-87 Annual Report. pp. 119.
- Dietz, R.E.\* **J.B. Hall**, and W.D. Whittier. 2000. Effects of feeding beef cows fat derived from whole cottonseed and safflower seed during gestation on cold tolerance in newborn calves. NCR-87 Annual Report. pp. 120-121.
- Cuddy, D.L.\* **J.B. Hall**, W.S. Swecker, and W.E. Beal. 2000. Effects of high fat diet on reproduction in replacement beef heifers. NCR-87 Annual Report. pp. 121-122.
- Hall, J.B.** and D.L. Cuddy. 2000. Comparison of CO-synch 64 and 7-11 estrus synchronization systems in postpartum beef cows. NCR-87 Annual Report. pp. 122-123.
- Hall, J.B.**, H. Baitis, R.E. Dietz, and D.L. Cuddy. 2000. Comparison of heatwatch and mountcount estrus detection devices. NCR-87 Annual Report. pp. 123-124.
- Brown, D.R., G.C. Lamb, R. Mathison, and **J.B. Hall**. 2002. Effect of pasture forage specie and management on animal performance. Minnesota Beef Cow/Calf Report. pp. 80-88.
- Hall, J.B.** 1999. Estrus control in beef reproduction. Proc. Annual Meeting. VVMA.
- Brown, D.R., **J.B. Hall**, A. DiCostanzo, and J. Cassidy. 1999. Comparison of estrous synchronization system in postpartum beef cows. Minnesota Beef Cow/Calf Report. pp. 53-55.
- Zehnder, C.M., **J.B. Hall**, D.B. Brown, and A. DiCostanzo. 1999. Alfalfa leaf meal in wintering beef cow diets. Minnesota Beef Cow/Calf Report. pp. 34-39.
- Hall, J.B.** 1998. Are there disease concerns with the use of poultry litter? Proc. Area Forage Conferences, VA Cooperative Extension.
- Hall, J.B.** 1997. Growth implants in young heifers. Proc. Beef Cow 2000. VA Cooperative Extension.
- Hall, J.B.** 1997. Weaning management. Proc. Beef Cow 2000. VA Cooperative Extension.
- Hall, J.B.** 1997. Effect of post-weaning growth on reproduction. Proc. Beef Cow 2000. VA Cooperative Extension.
- Hall, J.B.** 1997. Pre-breeding physical and reproductive examination. Proc. Beef Cow 2000. VA Cooperative Extension.
- Hall, J.B.** 1997. Puberty induction and estrous synchronization. Proc. Beef Cow 2000. VA Cooperative Extension.

- Hall, J.B.** 1997. Nutrition for continued development. Proc. Beef Cow 2000. VA Cooperative Extension.
- Hall, J.B.** 1997. Precalving nutrition, body condition, and dystocia management. Proc. Beef Cow 2000. VA Cooperative Extension.
- Hall, J.B.** 1997. Nutritional differences between young and mature cows. Proc. Beef Cow 2000. VA Cooperative Extension
- Hall, J.B.** 1997. Supplemental nutrition of pastured beef cows. Proc. 58<sup>th</sup> Minnesota Nutrition Conference.
- Hall, J.B.** 1997. Grazing crop residues with beef cows. Proc. 22nd Annual Minnesota Forage Conference. pp. 74-83.
- Hall, J.B.** 1997. Replacement heifer management. Cow/Calf Day Proc. Minnesota Beef Cow/Calf Report. c-134:7.
- Hall, J.B.**, A. DiCostanzo, and D.R. Brown. 1997. Effects of two alternate estrous synchronization systems for early postpartum beef cows. Annual Report to NCR-87. pp. 57-58.
- Hall, J.B.**, A. DiCostanzo, B. Woodward, and D.R. Brown. 1997. Effect of pattern of post-weaning body weight gain on age at puberty, reproduction and milk production in Angus heifers. Annual Report to NCR-87. pp. 55-56.
- Hall, J.B.**, R.B. Staigmiller, and R.A. Bellows. 1997. Relationships of body composition and metabolic status to puberty in heifers. In: Progress Report, Fort Keogh Livestock and Range Research Laboratory Research Report. c-5-1.
- Bellows, R.A., and **J.B. Hall**. 1997. Treatment of prepuberal heifers with melatonin. In: Progress Report, Fort Keogh Livestock and Range Research Laboratory Research Report. c-3-1.
- Grings, E.E., **J.B. Hall**, R.A. Bellows, R.E. Short, S.E. Bellows, and R.B. Staigmiller. 1997. Effects of diet, trace mineral supplement, and progestin implant on age at puberty in beef heifers. In: Progress Report, Fort Keogh Livestock and Range Research Laboratory Research Report. c-2-1-c-2-2.
- Grings, E.E., **J.B. Hall**, R.A. Bellows, R.E. Short, S.E. Bellows, and R.B. Staigmiller. 1997. Effects of diet, trace mineral supplement, and progestin implant on age at puberty in beef heifers. Proc. Governor's Conference on the Cattle Industry. pp. 71-73.
- Short, R.E., S.P. Ford, and **J.B. Hall**. 1997. Needles of Red, White, Lodgepole and Loblolly pine do not cause abortion in beef cows. Minnesota Beef Cow/Calf Report. c-141:68.
- Hall, J.B.**, A. DiCostanzo, J. Cassady, and D.R. Brown. 1997. Effect of two alternate estrous synchronization systems for early postpartum beef cows. Minnesota Beef Cow/Calf Report. c-142:72.
- Hall, J.B.**, A. DiCostanzo, B. Woodward, and D.R. Brown. 1997. Progress report: Effect of pattern of post-weaning body weight gain on age at puberty, reproduction, and milk production in Angus heifers. Minnesota Beef Cow/Calf Report. c-140:63.
- Hall, J.B.**, R. Mathison, D. Rabas, C. Schaeffer, N. Martin, and A. DiCostanzo. 1996. Effect of pasture type on animal performance, forage yield and pasture sustainability under managed intensive grazing conditions. Annual Report NCR-87. pp. 78-79.
- Hall, J.B.**, J. Casidy, A. DiConstanzo, and D. Brown. 1996. Progress Report: Effect of energy intake and progestin on reproduction in postpartum beef cows. Progress Report. Annual Report NCR-87. pp. 23-26.
- Hall, J.B.**, A. DiCostanzo, and B. Woodward. 1996. Effect of pattern of post-weaning body weight gain on age at puberty, reproduction and milk production in Angus heifers. Annual Report NCR-87. pp. 18-20.
- Hall, J.B.**, A. DiCostanzo, and D.R. Brown. 1996. Effect of energy intake and progestin on reproduction in postpartum beef cows. Annual Report NCR-87. pp. 15-18.
- Cassady, J.M., **J.B. Hall**, A. DiCostanzo, and D.R. Brown. 1996. Progress report: Effect of energy intake and progestin on reproduction in postpartum beef cows. Minnesota Beef Cow/Calf Report. c-132:90.
- Staigmiller, R.B., R.A. Bellows, R.E. Short, and **J.B. Hall**. 1993. Studies on production of embryos. In: R.

- K. Heitschmidt (ed.) Research & Rangeland Agriculture: Past, Present and Future-Research Report, Fort Keogh Livestock and Range Resesarch Lab. pp. 65-66.
- Hall, J.B.**, R.B. Staigmiller, R.E. Short, R.A. Bellows, S.E. Bartlett, and D.A. Phelps. 1993. Body composition in beef heifers as influenced by nutrition and breed. Fort Keogh Livestock and Range Research Laboratory: Research Report. pp. 66-70.
- Hall, J.B.**, R.B. Staigmiller, R.E. Short, R.A. Bellows, S.E. Bartlett, and D.A. Phelps. 1993. Hormonal advancement of puberty in heifers. Fort Keogh Livestock and Range Research Laboratory: Research Report. pp. 62-64.
- Patterson, D.J., **J.B. Hall**, N.W. Bradley, and K.K. Schillo. 1990. Estrous response and conception rate at first service after melengestrol acetate (MGA), 48-hour calf removal and prostaglandin F2a. University of Kentucky Animal Science Beef Report. pp. 32-33.
- Hall, J.B.**, K.K. Schillo, B.P. Fitzgerald, S.M. Hileman, M.J. Estienne, N.W. Bradley, and J.A. Boling. 1990. Effects of bovine somatotropin and dietary energy on LH secretion, follicular growth and onset of puberty in heifers. University of Kentucky Animal Science Beef Report. pp. 71-72.
- Edgerton, L.A., **J.B. Hall**, S.H. Hayes, D.G. Ely, and W.P. Deweese. 1987. Effect of melatonin and ram exposure on estrous cycles and fertility of Hampshire and Dorset ewes in Spring. University of Kentucky 20th Sheep Profit Day Report. pp. 32.

**Refereed/Adjudicated (currently scheduled or submitted):**

**Peer Reviewed/Evaluated (currently scheduled or submitted):**

**Presentations and Other Creative Activities:** (i.e. slide sets, web pages, video productions, etc., provide date and location)

**Professional Meeting Papers, Workshops, Showings, Recitals:**

**International**

- Hall, J. B.**, A. Ahmadzadeh, R. H. Stokes, C. Stephenson, and J. Ahola. 2010. Impact of gender-selected semen on AI pregnancy rates, gender ratios, and calf performance in crossbred postpartum beef cows. 8th International Ruminant Reproduction Symposium. September 5, 2010. Anchorage, AK.
- Hall, J. B.**, B. R. Johnson, R. H. Stokes, and R. Ambrosek. 2010. Summer annuals for fall grazing in the high elevation Intermountain West. Joint Annual Meeting of the American Dairy Science Association (ADSA), Poultry Science Association (PSA), Asociación Mexicana de Producción Animal (AMPA), Canadian Society of Animal Science (CSAS), American Society of Animal Science (ASAS), and ASAS Western Section (WSASAS). July 12, 2010. Denver, CO.
- Hall, J.B.**, S.P. Greiner, B.R. McKinnon, and W.D. Whittier. 2002. A heifer development system emphasizing genetics – The Virginia premium assured heifer program: program development and requirements. Joint Annual Meeting of the American Dairy Science Association (ADSA), Canadian Society of Animal Science (CSAS), and American Society of Animal Science (ASAS). July 20-25, 2002. Quebec City, Quebec, Canada
- Hall, J.B.**, S.P. Greiner, B.R. McKinnon, and W.D. Whittier. 2002. A heifer development system emphasizing genetics – The Virginia premium assured heifer program: marketing. Joint Annual Meeting of the American Dairy Science Association (ADSA), Canadian Society of Animal Science (CSAS), and American Society of Animal Science (ASAS). July 20-25, 2002. Quebec City, Quebec, Canada.

**National**

- Hall, J. B.** and M. C. Roberts-Lew. 2016. Comparisons of two short duration estrous synchronization protocols on pregnancy rates to fixed-time AI. Annual meeting of the American Society of Animal Science. July 22, 2016 Salt Lake City, UT.
- Hall, J. B.** 2014. Nutritional development and the target weight debate. Beef Cattle Reproduction Symposium. Joint Annual Meeting of the American Dairy Science Association and The American Society of Animal Science. July 20-24, 2014. Kansas City, MO.
- Hall, J.B.,** A. DiCostanzo, J. Cassady, and D.R. Brown. 1997. Effects of two estrous synchronization systems for early postpartum beef cows. 89<sup>th</sup> Annual Meeting of the American Society of Animal Science. July 29-Aug1, 1997. Nashville, TN.
- Hall, J.B.,** R.B. Staigmiller, R.E. Short, R.A. Bellows, and S.E. Bartlett. 1994. Effect of age and growth rate on induction of puberty with a progestin in beef heifers. 86<sup>th</sup> Annual Meeting of the American Society of Animal Science. July 11-15, 1994. Minneapolis, MN.
- Hall, J.B.,** R.B. Staigmiller, R.E. Short, R.A. Bellows, S.E. Bartlett, and D.A. Phelps. 1993. Body composition of puberty in beef heifers as influenced by nutrition and breed. 85<sup>th</sup> Annual Meeting of the American Society of Animal Science. July 6-9, 1993. Spokane, WA.
- Hall, J.B.,** B.L. Woods, K.K. Schillo, and N.W. Bradley. 1992. Effects of prepuberal energy intake and recombinant bovine somatotropin (BST) on performance of beef heifers and their offspring. 84<sup>th</sup> Annual Meeting of the American Society of Animal Science. August 8-11, 1992. Pittsburg, PA.
- Hall, J.B.,** K.K. Schillo, B.P. Fitzgerald, S.M. Hileman, M.J. Estienne, N.W. Bradley, and J.A. Boling. 1990. Effects of somatotropin and dietary energy on LH secretion, follicular growth and onset of puberty in beef heifers. 82<sup>nd</sup> Annual Meeting of the American Society of Animal Science. July 31-Aug 3, 1990. Ames, IA.
- Hall, J.B.,** K.K. Schillo, S.M. Hileman, M.J. Estienne, M.A. Green, and J.A. Boling. 1990. Does tyrosine act as a nutritional signal mediating the effects of increased feed intake on luteinizing hormone secretion in growth-restricted lambs? 23<sup>rd</sup> Annual Meeting of the Society for the Study of Reproduction. July 15-18, 1990. Knoxville, TN.
- Hall, J.B.,** T.E. Kiser, W.L. Jenkins, C.S. Whisnant, R.S. Lowery, and T.G. Althen. 1984. Effect of energy level on catecholamine, insulin, cortisol and luteinizing hormone concentrations in postpartum beef cows. 76<sup>th</sup> Annual Meeting of the American Society of Animal Science. July, 1984. Columbus, MO.

### Regional

- Hall, J. B.** 2015. Sexed semen: Current commercial applications and what the future may hold for the beef producer. WSASAS Beef Symposium. Annual Meeting of Western Section of the American Society of Animal Science. June 23-26, 2015. Ruidoso, NM
- Hall, J. B.,** J. B. Glaze, Jr., W. K. Smith, and M. C. Roberts. 2015. Relationship among feed efficiency traits and reproduction in heifers. Annual Meeting of Western Section of the American Society of Animal Science. June 23-26, 2015 Ruidoso, NM
- Hall, J. B.** and J. B. Glaze, Jr. 2012. Systems Applications of sexed Semen. Extension-Beef Small Ruminant: Tools for Improving Beef Production Symposium. Midwest Section of the American Society of Animal Science. March 12-21, 2012. Des Moines, IA.
- Hall, J. B.,** B. R. McKinnon, W. D. Whittier, and S. P. Greiner. 2008. The Virginia Quality Assured (VQA) certified feeder calf program: Ten years of value-added feeder cattle marketing. Annual Meeting of the Southern Section of the American Society of Animal Science. February 2-5, 2008. Dallas, TX.
- Hall, J. B.,** W.D. Whittier, J.C. Wuenschel, and R. Kasimanickam. 2006. Effectiveness of CIDR-based estrous synchronization systems for natural service and AI in replacement heifers. Annual Meeting of the Southern Section of the American Society of Animal Science. February 4-8, 2006. Orlando, FL.
- Hall, J.B.,** S. Greiner, J. Currin, and W.D. Whittier. 2004. Development of a chuteside and electronic beef quality assurance (BQA) record systems. Annual Meeting of the Southern Section of the American Society of Animal Science. February 14-18, 2004. Tulsa, OK.

**Patents:** None

**Grants and Contracts Awarded:** (provide principal and co investigators, title, sponsor, funding dates, amount)

Laarman, A. H. (PI), **J. B. Hall**, G. E. Chibisa, and J. E. Williams. 2017. Impact of “Excell” on rumen fermentation and health. Pacer Technologies. 7/17 to 10/17. \$17,044.02.

**Hall, J. B.** 2017. ASA Carcass Merit Program. American Simmental Association. \$6,000 In-kind support of bull semen.

**Hall, J. B.** 2016. Comparison of two synchronization systems. Zoetis. \$2,500 in-kind support of veterinary pharmaceuticals.

**Hall, J. B.** 2016. ASA Carcass Merit Program. American Simmental Association. \$6,000 In-kind support of bull semen.

**Hall, J. B.** 2015. Use of Sexed Semen in Commercial Beef Herds. Zoetis. \$6,000 in-kind support of veterinary pharmaceuticals.

**Hall, J. B.** 2015. Impact of Crossbred Bulls on Calf Performance. American Simmental Association. \$5,500 In-kind support of bull semen.

**Hall, J. B.** 2015. Support for feed efficiency testing. American Simmental Association. \$3,889.60

**Hall, J. B.,** K. O’Neill, and E. Billings. 2015. Funding for 5 undergraduate interns. Auen Foundation \$25,000

**Hall, J. B.** 2014. Boehringer Ingleheim. \$4,500 gift in support of deworming research.

**Hall, J. B.** 2014. Key Ag. \$4,000 gift in support of probiotic research.

**Hall, J. B.** 2013. Effect of time of AI on pregnancy rates to sexed semen. Zoetis. \$5,000 in-kind support of veterinary pharmaceuticals.

**Hall, J. B.** 2013. Use of Crossbred bulls in commercial herds. Northwest Simmental Breeders. \$7,000 donation of bulls or breeding season use of bulls

**Hall, J. B.** 2013. Use of Sexed Semen in Commercial Beef Herds. Zoetis. \$5,000 in-kind support of veterinary pharmaceuticals.

**Hall, J. B.** and J. B. Glaze, Jr. Co-PIs. 2012. Idaho Beef Manager Workshops. Idaho Extension. \$7,860.00

**Hall, J. B.** 2012. Beef/Forage Extension Interns. Idaho Extension. \$5,500.00

**Hall, J. B.** 2012. Idaho Beef Quality Assurance. Idaho Beef Council. \$40,893.00

**Hall, J. B.** Use of Sexed Semen in Commercial Beef Herds. Pfizer. \$5,000 in-kind support of veterinary pharmaceuticals.

**Hall, J. B.** 2011. Idaho Beef Quality Assurance – Handle with Care. Idaho Beef Council. \$30,927.

**Hall, J. B.** 2011. Use of Sexed Semen in Commercial Beef Herds. Pfizer. \$5,000 in-kind support of veterinary pharmaceuticals.

**Hall, J. B.** and J. B. Glaze, Jr. Co-PI. 2010. Idaho Beef Quality Assurance – A fresh approach. Idaho Beef Council. \$35,000.

**Hall, J. B.** and J. B. Glaze, Jr. Co-PI. 2009. Beef Quality Assurance Program and Coordinator. Idaho Beef Council. \$21,000.

**Hall, J. B.** 2008 & 2009. Summer annuals for extending the grazing season. Target Seed, Parma, ID and Key Ag, Murtaugh, ID. \$2,500 gift in-kind.

**Hall, J. B.** 2009. Using sexed semen to alter gender ratios in commercial beef cows. American Breeders

- Service Global. \$1,500 gift in-kind.
- Hall, J. B. (PI)** and R. Stokes. 2009. Winter hay supplies. David McFarland. \$500 gift in-kind.
- Hall, J. B. (PI)**, M. Hasenoehrl, and V. Pellegrini. 2009. Enhancing research and irrigation infrastructure at the Nancy M. Cummings REEC. Auen Foundation. \$58,000
- Abaye A. (PI), J. Luginbuhl, C. Zipper, **J. Hall**, W. Whittier. 2006-2007. Co-grazing Appalachian Pastures with Goats and Cattle: Effects on Pasture Quality, Animal Performance, and Farm Profitability. Virginia Agricultural Council. \$12,000.
- Greiner S. (PI), **J. Hall**, S. Hopkins, W. Whittier. 2006 - 2007. Implementation Strategies for National Animal Identification System at Livestock Markets. USDA-VDACS. \$230,000.
- Day M. (PI), **J. Hall**, W. Whittier. 2006 - 2007. Influence of a 5-day CO-Synch+CIDR synchronization protocol on reproductive performance in postpartum cows and heifers. Select Sires, Inc. \$10,000.
- Hall J.** (PI), S. Greiner, W. Whittier, S. Umberger. 2006 - 2007. Virginia Beef Quality Assurance Producer Communication and Training Program. Virginia Beef Industry Council. \$7,500.
- Hall, J.B.** and W.D. Whittier. 2006. Beef Cow Production on Reclaimed Strip-Mined Land: Mineral Antagonisms in Reclaimed Pastures. Powell River Project. \$6,000.
- Hall, J.B.**, S. P. Greiner and W.D. Whittier. 2005-2006. Virginia Beef Quality Assurance Continuing Quality Program. Virginia Beef Industry Council. \$ 12,750.
- Hall, J.B.**, J. Stegner, J.F. Currin, R. Kasimanickam and W.D. Whittier. 2005. Effect of Tasco on Reproduction in Beef Cows. Arcadia AgriTech, Inc. \$3,500 (in-kind Gift).
- Hall, J.B.**, and W.D. Whittier. 2005-2006. Beef Cow Production on reclaimed strip-mined land. Powell River Project. \$7,900.
- Hall, J.B.**, S.P. Greiner, and L. Wright. 2005-2007. Value-added forage-based growing beef cattle systems for southwest Virginia. Virginia Agriculture Council \$20,000.
- Hall, J.B.**, Whittier, W.D., S.P. Greiner, J.F. Currin. 2004. Development of a beef quality assurance Web site and Training CD. Virginia Beef Industry Council \$3,000.
- Hall, J.B.**, and W.D. Whittier. 2004. Increasing cow productivity on Strip mined lands. Powell River Project \$4,500.
- Jiang, H. and **J.B. Hall**. 2003. A novel strategy to enhance skeletal muscle growth in beef cattle. Virginia Agriculture Council. \$16,000.
- Greiner, S. P. and **J. B. Hall**. 2003. Enhancing the educational value of the Virginia Retained Ownership program. Virginia Beef Industry Council. \$5,900.
- Whittier, W.D., J.F. Currin, **J.B. Hall**, S.P. Greiner. 2003 Beef Quality Assurance Producer Education, Year 3. Virginia Beef Industry Council. \$11,500.
- Hall, J.B.**, J.F. Currin, W.D. Whittier, and S.P. Greiner. 2002. Chute-side BQA record system – pilot project. National Cattlemen’s Beef Association. \$8,400.
- Whittier, W.D., J.F. Currin, **J.B. Hall**, S.P. Greiner. 2002. Beef quality assurance certification program. Virginia Beef Industry Council. \$27,000.
- Fontenot, J.P., T.S. Swecker, **J.B. Hall** and J. Fike. 2000. Pasture based beef cattle systems for Appalachia. USDA-ARS. \$250,000 yr. 1, \$540,000 yr. 2, and \$530,000 yr. 3.
- Hall, J.B.**, and W.D. Whittier. 2000-2001. Estrus synchronization and ovulation control systems for post partum cows. Fort Dodge and Intervet gift of products. Approximate value \$4,000.
- Hall, J.B.**, D.L. Cuddy, R. Nebel and D. Eversole. 2000. Efficacy of MountCount for detection of estrus and effect on conception rate to artificial insemination in beef cattle compared to other heat mount detectors. Gift of detection equipment \$7,000.
- Hall, J.B.**, B.R. McKinnon, and R.R. Reynolds. 1998-2002. Virginia beef cattle efficiency program. EPA-

USDA Ruminant Livestock Efficiency Program \$139,784.

**Hall, J.B.**, P.R. Peterson, and J.P. Fontenot. 1998-2000. Sustainable forage systems to enhance efficiency of cow/calf production and improve environmental quality. Virginia Agricultural Council \$40,000.

**Hall, J.B.** 1998-2001. Determining nutritional status and needs of beef cattle using fecal NIRS: A program for validation and education in the Virginia region. USDA-NRCS \$46,000.

Swecker, W.S., Jr., J.P. Fontenot, **J.B. Hall**, and P.R. Peterson. 1998-1999. Bovine/forage production systems for the 21<sup>st</sup> century: A facility for research, teaching and outreach. ASPIRES Grant \$36,000.

**Hall, J.B.**, and P.R. Peterson. 1998-2001. Development of a forage quality database for Virginia pastures. Tilman Hepler Fund \$6,000.

McKinnon, B.R., **J.B. Hall**, and S.P. Greiner. 1998. Beef Quality Assurance Exhibit. Virginia Cattle Industry Board. \$20,000.

**Hall, J.B.** - Principal investigator. Russ Mathison - Co-investigator. 1996-1998. Round bale storage

**Hall, J.B.** - Principal investigator. 1996-1997. Effect of environment and management on neonatal mortality in beef cattle. Grant-In-Aid. Office of the Vice President of Research \$20,270.

DiCostanzo, A., **J.B. Hall**, B.W. Woodward, and H. Windels. 1996-1997. Utilization of alfalfa leaf meal in beef cattle diets. Minnesota Valley Alfalfa Producer's \$58,315.

Patterson, D.J. - Principal investigator. K.K. Schillo, N.W. Bradley, and **J.B. Hall** - Co-investigators. 1990-1991. Enhancement of reproductive efficiency of beef herds in Kentucky: Systems to synchronize or induce estrus. Kentucky Cooperative Extension Service Program Enhancement Grant \$3,500.

#### **Honors and Awards:**

#### **SERVICE:**

#### **Major Committee Assignments:**

##### **National**

National Cattleman's Beef Association, Research Committee, 2008-Present

National Cattleman's Beef Association, Producer Education Committee, 2006-2007

Beef Reproductive Task Force 2001-2017.

##### **Regional**

American Society of Animal Science, Western Section, Beef Committee, 2008-2015

Western Beef Cattle Resource Committee, 2008-present

American Society of Animal Science, Southern Section, Physiology Committee,  
Chair, 2006-2007; Secretary, 2004-2005

American Society of Animal Science, Southern Section, Extension Committee,  
Chair, 2004; Vice Chair, 2003; Secretary, 2002

NCR-87 Beef Cow/Calf Nutrition and Management Committee,

Member 1995-2009; Secretary, 2000; Vice-President 2001, President 2002

Mid-Atlantic Beef Quality Assurance Consortium – Member 2002-2008

##### **State**

Idaho Beef Quality Assurance Program, Co-State Coordinator, 2008-2014

Idaho Cattle Association, Chair Science and Technology Committee, 2008-Present

Beef Improvement Federation Annual Meeting Host Committee 1998-1999

Virginia Beef Quality Assurance – State coordinator 2002-2008

Virginia Cattlemen's Association, Taskforce, 2000

Virginia Beef Expo Board, 1998-2008

Virginia Cattlemen's Association, Advisor 1997-2008

Research Board. Minnesota Forage and Grasslands Council 1995-1997



Co-Coordinator 1997 Minnesota Cow/Calf Days  
 Beef Focus Group. Minnesota Extension Service  
 Minnesota IRM Project  
 Member Graduate Faculty, University of Minnesota

### **University**

Member. Institutional Animal Care and Use Committee. 2017 - Present

### **College**

Member. Associate Dean for Research Search Committee 2016  
 Leader. Beef Program of Distinction 2015-present  
 Member. Rock Creek Ranch Advisory Board 2016 - Present  
 Member, Virginia Cooperative Extension Situational Analysis group, 2005  
 Member, emergency preparedness plan of work committee, 2002  
 Search committee for extension forage specialist, 2000  
 Virginia cooperative extension website committee, 2000  
 Member, search committee for grazing/beef researcher at SPAREC, 1999  
 Member, search committee for station director at SVAREC, 1999  
 Member, search committee for extension agent, Spotsylvania Co., 1999

### **Department**

Member. Reproductive Physiologist Search Committee 2016, 2017  
 Chair. Range Livestock Research Position Search Committee 2016  
 Member. Extension Beef Specialist Search Committee 2015  
 Chair. NMCREEC Station Maintenance Technician Search Committee 2015  
 Co-Leader, UI Extension Beef Team 2008-present  
 Leader, VT Extension Beef Team, 2007-2008  
 Chair, APSC departmental extension committee, 2003 to 2005  
 Member, departmental promotion and tenure committee, 2004 to 2008  
 Member, departmental research committee, 1999 to 2001  
 Member, departmental beef cattle committee, 1987 to present  
 Member, search committee for extension beef/sheep specialist, 1998

### **Editorial boards**

Ad hoc Reviewer. Physiology Section, Journal of Animal Science,  
 1992 to 1995; 1999-Present. Reviewed 21 manuscripts.  
 Ad hoc Reviewer. 2008-present  
 Animal Reproduction Science – 5 manuscripts  
 Theriogenology – 2 manuscripts  
 Professional Animal Scientist – 7 manuscripts  
 Journal of Dairy Science – 1 manuscript  
 Reproduction in Domestic Animals – 1 manuscript  
 Frontiers in Physiology – 1 manuscript  
 Animal Biotechnology  
 Editorial Board. Journal of Animal Science. Physiology Section. 1996-1998.  
 Reviewed approximately 4 manuscripts/year.

Physiology section. Annual Meeting of Southern Section ASAS. Reviewer. 2004-2007  
 Extension section. Annual Meeting of Southern Section ASAS. Reviewer. 2004-2006

### **Service to students**

Faculty advisor to VA Tech Block & Bridle Club, 1997-2000  
 Faculty coordinator for student interns at 1999 NCBA meetings, Charlotte, NC

## Professional and Scholarly Organizations

### Membership in professional organizations

American Registry of Professional Animal Scientists, 2004 to present  
 National Cattlemen's Association, 1993 to present  
 Society for the Study of Reproduction, 1988 to 1991  
 American Society of Animal Science, 1986 to present  
 Gamma Sigma Delta, Inducted 1983  
 Phi Kappa Phi, 1982 to present  
 Alpha Zeta, 1981 to 1996

## Outreach Service:

### Popular Press Articles:

#### National publications

**Hall, J. B.** 2016. Find extra utility with fall and winter alfalfa grazing. Progressive Cattlemen. October 2016:53-55.

**Hall, J. B.** 2015. Reducing effects of weather stress in cows and calves. Progressive Cattlemen. December 2015.

**Hall, J. B.** 2011. A stronger herd benefits from post-calving nutrition. Progressive Cattlemen. April 2011.

**Hall, J. B.** 2011. Plan for reproductive success. American Simmental Association. SimTalk.

**Hall, J. B.** 2011. Sexed Semen the newest reproductive technology for the beef industry. Genex CRI. Beef Horizons. 15:8-9.

Williams, S. and **J. B. Hall.** 2011. Are your heifers energy deprived? Progressive Cattlemen. November 2011. 16:25

**Hall, J.B.** 2007. Prepare now for a dry spring. The National Cattlemen Producer Education Edition. pg. 18-19.

**Hall, J.B.** 2007. Strategies to improve reproduction of cattle on fescue. The National Cattlemen Producer Edition. Pg. 29-31.

**Hall J.B.** 2007. Hereford eNews. Hereford World. Monthly. <http://www.hereford.org/>.

**Hall J.B.** 2007. Angus Advisor. Angus Journal. Volume Monthly Vol 28.

**Hall J.B.** 2006. Mid-summer cattle working pay dividends. National Cattleman - IRM section, July 2006.

**Hall J.B.** 2006. Hereford eNews. Hereford World. Monthly. <http://www.hereford.org/>.

**Hall J.B.** 2006. Angus Advisor. Angus Journal. Volume Monthly Vol 27& 28.

**Hall, J.B.** 2005. Herd management tips: Mid-Atlantic region. Angus Journal. Monthly column

**Hall, J.B.** 2002. Herd management tips: Mid-Atlantic region. American Red Angus Magazine. 38(6):44-46.

#### Regional and state publications

##### 2017

**Hall, J. B.** "Cold weather may increase calf birth weights". Idaho Cattle Assoc. Line Rider, Feb. 2017

**Hall, J. B.** “Management Opportunities, Market Opportunities”. Idaho Cattle Assoc. Line Rider, April 2017

**Hall, J. B.** “Nutritional Management for Fall Heifers”. Idaho Cattle Assoc. Line Rider, Sept. 2017

### **2016**

**Hall, J. B.** “Getting late calving cows back on track”. Idaho Cattle Assoc. Line Rider, April 2016

**Hall, J. B., J. Sprinkle, and M. Ellison** “Research at Rock Creek Ranch up and running”. Idaho Cattle Assoc. Line Rider September, 2016

### **2015**

**Hall, J. B.** “Winterize your bull”. Idaho Cattle Assoc. Line Rider, January 2015 p. 36-37

**Hall, J. B.** “Assessing fertility of replace heifers – Part I Prebreeding Exams”. Idaho Cattle Assoc. Line Rider, February 2015 p. 30-31

**Hall, J. B.** “ICA and University of Idaho partnerships”. Idaho Cattle Assoc. Line Rider, April-May 2015 p. 38

**Hall, J. B.** “UI Designation as a Program of Distinction”. Idaho Cattle Assoc. Line Rider, September 2015 p. 12

**Hall, J. B.** “New UI Beef Team Faculty”. Idaho Cattle Assoc. Line Rider, October 2015 p. 27-29.

### **2013**

**Hall, J. B.** “Colostrum – Key to a good start”. Idaho Cattle Assoc. Line Rider, January 2013.

**Hall, J. B.** “Forages are Big Business in Idaho”. Idaho Cattle Assoc. Line Rider, March 2013.

**Hall, J. B.** “What is Your Bull Doing? Maybe Not as Much as You Think”. Idaho Cattle Assoc. Line Rider, May 2013.

**Hall, J. B.** “Allied Industry Provides Strong Support for Extension and Research”. Idaho Cattle Assoc. Line Rider, August 2013.

**Hall, J. B.** “Early Weaned Calves May Benefit Rancher & Feeder”. Idaho Cattle Assoc. Line Rider, September, 2013.

**Hall, J. B.** “Management in Late Gestation is Important to Two Calf Crops”. Idaho Cattle Assoc. Line Rider, December, 2013.

**Hall, J. B.** “Gestating Cow Nutrition Important to Calf Performance”. Owyhee County Cattlemen’s Magazine, September, 2013.

### **2012**

**Hall, J. B.** Replacement Heifers a Profit Opportunity. Idaho Cattle Assoc. Line Rider, February 2012.

**Hall, J. B.** Unusual Spring Means More Attention to Forages. Idaho Cattle Assoc. Line Rider, May 2012.

**Hall, J. B.** Pre-Weaning Strategies. Owyhee County Cattlemen’s Magazine, July 2012.

**Hall, J. B.** Replacement Heifers May Need More Attention this Fall. Idaho Cattle Assoc. Line Rider, August, 2012.

**Hall, J. B.** Calf Management This Fall. Idaho Cattle Assoc. Line Rider, September 2012.

**Hall, J. B.** Cows Need to Gain Condition Now. Idaho Cattle Assoc. Line Rider, November 2012.

### **2011**

**Hall, J. B.** Proper nutrition during gestation critical. Idaho Cattle Assoc. Line Rider, January 2011

**Hall, J. B.** Stretching the hay supplies and limiting hay intake by cows. Idaho Cattle Assoc. Line Rider, February 2011

**Hall, J. B.** Supply not demand will be the issue. Idaho Cattle Assoc. Line Rider, March 2011

**Hall, J. B.** Tips for utilizing damaged hay. Idaho Cattle Assoc. Line Rider, September 2011.

**Hall, J. B.** Adjusting to the new beef market. Idaho Cattle Assoc. Line Rider, November 2011.

**Hall, J. B.** High cost of feed – Calculating feed value. Idaho Cattle Assoc. Line Rider, December 2011.

### **2010**

**Hall, J. B.** Scours Prevention Pays Dividends at Weaning. Idaho Cattle Assoc. Line Rider, March 2010

**Hall, J. B.** Mineral Supplementation Key to Calf Success. Idaho Cattle Assoc. Line Rider, September 2010

**Hall, J. B.** Sexed Semen – Is It Time for Its Use in the Seedstock Sector? Idaho Cattle Assoc. Line Rider, October 2010.

**Hall, J. B.** Nancy M. Cummings REEC Quarterly, Fall-Winter 2010.

### **2009**

**Hall, J. B.** Spring Planning for Fall Grazing. Idaho Cattle Assoc. Line Rider, March 2009

**Hall, J. B.** Weaning for Profit. Idaho Cattle Assoc. Line Rider, September 2009

**Hall, J. B.** New U of I Beef Cattle Research Facilities. Idaho Cattle Assoc. Line Rider, March 2009

**Hall, J. B.** Nancy M. Cummings REEC Quarterly, Winter-Spring 2009

### **2008**

**Hall, J. B.** Nancy M. Cummings REEC Quarterly, Spring 2008

**Hall, J. B.** Nancy M. Cummings REEC Quarterly, Fall 2008

### **2007**

**Hall, J.B.** January 2007. “Beef management calendar”. Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** January 2007. “The cow-calf manager – Education and planning keys to success”. Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** January 2007. “Beef producer university”. Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** February 2007. “February beef management calendar”. Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** February 2007. “The cow-calf manager – Reducing effects of weather stress in cows and calves”. Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** March 2007. “Beef management tips”. Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** March 2007. “The cow-calf manager – Cold weather may increase calf birth weights”. Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** March 2007. “New vaccination and testing requirements for VA premium assured heifers go into effect this fall”. Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** April 2007. “April beef management calendar”. Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** April 2007. “The cow-calf manager – Prepare now for a dry spring”. Livestock Update and The

Virginia Cattleman newspaper.

**Hall, J.B.** May 2007. "May beef management calendar". Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** May 2007. "The cow-calf manager – New CIDR based synchronization system gives another fixed time AI option". Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** June 2007. "June beef management calendar". Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** June 2007. "The cow-calf manager – Drought options". Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** June 2007. "Premium assured heifer sales continue to be solid". Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** July 2007. "July beef management calendar". Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** July 2007. "The cow-calf manager - Procedures for weaning calves during drought". Livestock Update and The Virginia Cattleman newspaper.

## **2006**

**Hall J. B.** January 2006. "The cow-calf manager - Precalving period". Livestock Update and The Virginia Cattleman newspaper.

**Hall J. B.** January – December 2006. "Beef management calendar & Beef management tips". Livestock Update and The Virginia Cattleman newspaper.

**Hall J. B.** January 2006. "A cow's wish for 2006". Livestock Update and The Virginia Cattleman newspaper.

**Hall J. B.** January 2006. "Fall 2005 premium assured heifer sales strong". Livestock Update and The Virginia Cattleman newspaper.

**Hall J. B.** February 2006. "Age and source verification: implications for cow-calf producers". Livestock Update and The Virginia Cattleman newspaper.

**Hall J.B.** March 2006. "The cow-calf manager - Pre-breeding excellent time to vaccinate cows". Livestock Update and The Virginia Cattleman newspaper.

**Hall J. B.** March 2006. "Premium assured heifer sales set for spring". Livestock Update and The Virginia Cattleman newspaper.

**Hall J. B.** March 2006. "Beef quality assurance chute-side training offered at beef expo". Livestock Update and The Virginia Cattleman newspaper.

**Hall J. B.** April 2006. "The cow-calf manager - Selenium supplementation strategies for cow/calf herds". Livestock Update and The Virginia Cattleman newspaper.

**Hall J. B.** May 2006. "The cow-calf manager - Preparing bulls for the breeding season". Livestock Update and The Virginia Cattleman newspaper.

**Hall J. B.** June 2006. "The cow-calf manager - Dry weather forces feed and forage decisions". Livestock Update and The Virginia Cattleman newspaper.

**Hall J. B.** July 2006. "The cow-calf manager - What does value-added beef production mean for the cow/calf producer?" Livestock Update and The Virginia Cattleman newspaper.

**Hall J. B.** July 2006. "Beef quality assurance (BQA) certified producers participate in survey". Livestock Update and The Virginia Cattleman newspaper.

**Hall J. B.** July 2006. "Drought information available". Livestock Update and The Virginia Cattleman newspaper.

- Hall J. B.** August 2006. "The cow-calf manager - What does value-added beef production mean for the cow/calf producer? Part 2 - Adding value by sales to the consumer". Livestock Update and The Virginia Cattleman newspaper.
- Hall J. B.** August 2006. "Virginia cow-calf management course will be offered this fall/winter". Livestock Update and The Virginia Cattleman newspaper.
- Hall J. B.** September 2006. "The cow-calf manager - Preparing for weaning". Livestock Update and The Virginia Cattleman newspaper.
- Hall J. B.** September 2006. "Virginia premium assured heifer sales set for fall". Livestock Update and The Virginia Cattleman newspaper.
- Hall J. B.** October 2006. "The cow-calf manager - Cows can now be successfully bred by AI on a single day". Livestock Update and The Virginia Cattleman newspaper.
- Hall J. B.** November 2006. "The cow-calf manager - Hitting the right target weight is critical to replacement heifers". Livestock Update and The Virginia Cattleman newspaper.
- Hall J. B.** December 2006. "Beef producer university will focus on professional heifer development". Livestock Update and The Virginia Cattleman newspaper.
- 2005**
- Hall, J.B.** January 2005. "The cow-calf manager – Beef cow reproductive problems in 2004?" Livestock Update and The Virginia Cattleman newspaper.
- Hall, J.B.** January 2005. "January beef management calendar". Livestock Update and The Virginia Cattleman newspaper.
- Hall, J.B.** February 2005. "The cow-calf manager – Déjà vu all over again". Livestock Update and The Virginia Cattleman newspaper.
- Hall, J.B.** February. "February beef management calendar". Livestock Update and The Virginia Cattleman newspaper.
- Hall, J.B.** March 2005. "The cow-calf manager – Calving management reduces calf losses". Livestock Update and The Virginia Cattleman newspaper.
- Hall, J.B.** March 2005. "March beef management calendar". Livestock Update and The Virginia Cattleman newspaper.
- Hall, J.B.** April 2005. "The cow-calf manager – Preparing bulls for the breeding season". Livestock Update and The Virginia Cattleman newspaper.
- Hall, J.B.** April 2005. "Beef management tips – April beef management calendar", and "Additional energy will help pregnancy rates in thin cows". Livestock Update and The Virginia Cattleman newspaper.
- Hall, J.B.** May 2005. "May beef management calendar". Livestock Update and The Virginia Cattleman newspaper.
- Hall, J.B.** May 2005. "Virginia premium assured heifer sales set new record". Livestock Update and The Virginia Cattleman newspaper.
- Hall, J.B.** June 2005. "Beef management tips – June beef management calendar", "Young cows need extra nutrition during breeding season", and "Stocker cattle benefit from re-implanting and ionophores". Livestock Update and The Virginia Cattleman newspaper.
- Hall, J.B.** July 2005. "July beef management calendar". Livestock Update and The Virginia Cattleman newspaper.
- Hall, J.B.** July 2005. "Virginia, Kentucky, and Tennessee will host symposium on applied reproductive strategies in beef cattle". Livestock Update and The Virginia Cattleman newspaper.
- Hall, J.B.** August 2005. "August beef management calendar". Livestock Update and The Virginia Cattleman newspaper.
- Hall, J.B.** August 2005. "The cow-calf manager – Planning for the next part of the cattle cycle". Livestock

Update and The Virginia Cattleman newspaper.

**Hall, J.B.** September 2005. "The cow-calf manager – Weaning for profit". Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** September 2005. "Beef management tips – September beef management calendar", "Prussic acid poisoning could be a problem in late summer and early fall". Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** October 2005. "The cow-calf manager – Late summer drought creates challenges". Livestock Update and Virginia Cattleman newspaper.

**Hall, J.B.** October 2005. "Beef management tips – October beef management calendar", "Acorn poisoning could cause problems this fall". Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** October 2005. "Applied reproductive strategies in beef cattle workshop approved for credit". Livestock Update and Virginia Cattleman newspaper.

**Hall, J.B.** November 2005. "The cow-calf manager – Impact of novel endophyte fescue on beef cattle performance". Livestock Update and Virginia Cattleman newspaper.

**Hall, J.B.** November 2005. "November beef management calendar". Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** and W.D. Whittier. November 2005. "New regulations on BSE will have minimal impact on Virginia cattle producers". Livestock Update and Virginia Cattleman newspaper.

**Hall, J.B.** December 2005. The cow-calf manager – Feeding whole soybeans or cottonseed to beef cows. Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** December 2005. December beef management calendar. Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** December 2005. Proceedings of applied reproductive strategies in beef cattle available. Livestock Update and The Virginia Cattleman newspaper.

## **2004**

**Hall, J.B.** January 2004. "The cow-calf manager – Tremendous change." Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** January 2004. "Beef management tips – January beef management calendar", "Liquid supplements may not be enough nutrition for poor hay." Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** January 2004. "Virginia BQA chuteside record available." Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** February 2004. "The cow-calf manager – Post-calving is the most difficult period for cows and cattlemen." Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** February 2004. "Beef management tips – February beef management calendar." Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** February 2004. "Entries for hay contest due by March." Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** March 2004. "The cow-calf manager – Why do only some heifers breed." Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** March 2004. "Beef management tips – March beef management calendar." Livestock Update and The Virginia Cattleman newspaper.

- Hall, J.B.** March 2004. "Some beef cows in critical condition." Livestock Update and The Virginia Cattleman newspaper.
- Hall, J.B.** March 2004. "FDA announces ban on feeding of poultry litter." Livestock Update and The Virginia Cattleman newspaper.
- Hall, J.B.** March 2004. "Virginia premium assured heifer sales set for April." Livestock Update and The Virginia Cattleman newspaper.
- Hall, J.B.** April 2004. "The cow-calf manager – Scours prevention pays dividends at weaning." Livestock Update and The Virginia Cattleman newspaper.
- Hall, J.B.** April 2004. "Beef management tips – April beef management calendar", "Additional energy will help pregnancy rates in thin cows." Livestock Update and The Virginia Cattleman newspaper.
- Hall, J.B.** April 2004. "Feeding ban on poultry litter and other proteins may be delayed." Livestock Update and The Virginia Cattleman newspaper.
- Hall, J.B.** May 2004. "The cow-calf manager - Bull management essential for a successful breeding season." Livestock Update and The Virginia Cattleman newspaper.
- Hall, J.B.** May 2004. "May beef management calendar". Livestock Update and The Virginia Cattleman newspaper.
- Hall, J.B.** May 2004. "Developing Virginia premium assured heifers a good option". Livestock Update and The Virginia Cattleman newspaper.
- Hall, J.B.** June 2004. "The cow-calf manager – Management of cow nutrition begins in the hay field." Livestock Update and The Virginia Cattleman newspaper.
- Hall, J.B.** June 2004. "Beef management tips – June beef management calendar", "Young cows need extra nutrition during breeding season", "Stocker cattle benefit from reimplanting and ionophores." Livestock Update and The Virginia Cattleman newspaper.
- Hall, J.B.** July 2004. "July beef management calendar". Livestock Update and The Virginia Cattleman newspaper.
- Hall, J.B.** July 2004. "The cow-calf manager – Mid-summer cattle working pays dividends". Livestock Update and The Virginia Cattleman newspaper.
- Hall, J.B.** August 2004. "August beef management calendar". Livestock Update and The Virginia Cattleman newspaper.
- Hall, J.B.** August 2004. "The cow-calf manager – Keep calves growing through the summer". Livestock Update and The Virginia Cattleman newspaper.
- Hall, J.B.** September 2004. "The cow-calf manager". Livestock Update and The Virginia Cattleman newspaper.
- Hall, J.B.** September 2004. "Virginia cow/calf management course will be offered this fall/winter". Livestock Update and The Virginia Cattleman newspaper.
- Hall, J.B.** September 2004. "Pregnant replacement heifer management workshop". Livestock Update and The Virginia Cattleman newspaper.
- Hall, J.B.** October 2004. "Beef management tips – October beef management calendar", "Fall-calving herds at risk for grass tetany", and "Acorn poisoning could cause problems this fall". Livestock Update and



The Virginia Cattleman newspaper.

**Hall, J.B.** October 2004. "The cow-calf manager – Managing reproduction with fall nutrition". Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** November 2004. "The cow-calf manager – Winterize your bull". Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** December 2004. "December beef management calendar". Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** December 2004. "The cow-calf manager – Beef cow reproductive problems in 2004? Part 1: Fall calving herds. Livestock Update and The Virginia Cattleman newspaper.

### **2003**

**Hall, J.B.** January 2003. "The cow-calf manager – CIDRs offer new estrus synchronization option." Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** January 2003. "Beef management tips – January beef management calendar", "Nitrates may be concern when purchasing hay." Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** February 2003. "The cow-calf manager – reducing effects of weather stress in cows and calves." Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** February 2003. "Beef management tips – February beef management calendar." Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** February 2003. "BQA producer certification meetings set for late winter." Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** March 2003. "The cow-calf manager – what is the value of quality replacement heifers." Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** March 2003. "Beef management tips – March beef management calendar", "Mineral supplements need to be adjusted when feeding by-products." Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** March 2003. "Virginia premium assured heifer sales set for March & April." Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** March 2003. "VA beef expo commercial heifer sale will feature VA premium assured cow/calf pairs." Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** April 2003. "The cow-calf manager – rough winter could spell breeding season trouble." Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** April 2003. "Beef management tips – April beef management calendar," and "Cold weather may have damaged some bulls this winter." Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** May 2003. "The cow-calf manager – assessing bull fertility is essential." Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** May 2003. "May beef management calendar." Livestock Update and The Virginia Cattleman newspaper.

- Hall, J.B.** May 2003. "Beef quality assurance certification successful." Livestock Update and The Virginia Cattleman newspaper.
- Hall, J.B.** June 2003. "The cow-calf manager – preventing pinkeye." Livestock Update and The Virginia Cattleman newspaper.
- Hall, J.B.** June 2003. "Beef management tips – June beef management calendar and July beef management calendar," "Young cows need extra nutrition during breeding season," and "Stocker cattle benefit from reimplanting and ionophores." Livestock Update and The Virginia Cattleman newspaper.
- Hall, J.B.** July 2003. "The cow-calf manager – Getting ready for cool and homeland security." Livestock Update and The Virginia Cattleman newspaper.
- Hall, J.B.** August 2003. "The cow-calf manager – Producing replacement heifers may offer good opportunity this year." Livestock Update and The Virginia Cattleman newspaper.
- Hall, J.B.** August 2003. "Beef management tips – August beef management calendar," "Fertilize pastures for stockpiling in August." Livestock Update and The Virginia Cattleman newspaper.
- Hall, J.B.** October 2003. "The cow-calf manager – Management can help offset problem of poor hay in a good year." Livestock Update and The Virginia Cattleman newspaper.
- Hall, J.B.** October 2003. "Beef management tips – October beef management calendar," "Fall-calving herds at risk for grass tetany," "Acorn poisoning could cause problems this fall." Livestock Update and The Virginia Cattleman newspaper.
- Hall, J.B.** October 2003. "Beef quality assurance (BQA) meeting scheduled for fall." Livestock Update and The Virginia Cattleman newspaper.
- Hall, J.B.** November 2003. "The cow-calf manager – Investing in the future." Livestock Update and The Virginia Cattleman newspaper.
- Hall, J.B.** November 2003. "Beef management tips – November beef management calendar." Livestock Update and The Virginia Cattleman newspaper.
- Hall, J.B.** November 2003. "Virginia premium assured heifer™ program changes and fall sales." Livestock Update and The Virginia Cattleman newspaper.
- Hall, J.B.** December 2003. "The cow-calf manager – First heat after calving may not be fertile." Livestock Update and The Virginia Cattleman newspaper.
- Hall, J.B.** December 2003. "Beef management tips – December beef management calendar." Livestock Update and The Virginia Cattleman newspaper.
- 2002**
- Hall, J.B.** January 2002. "Beef management tips – January beef management calendar" and "A cow-wish for 2002." Livestock Update and The Virginia Cattleman newspaper.
- Hall, J.B.** February 2002. "Beef management tips – February beef management calendar" and "Beef expo commercial heifer sale will feature Virginia premium assured heifers." Livestock Update and The Virginia Cattleman newspaper.
- Hall, J.B.** February 2002. "February beef management calendar." American Red Angus Magazine.
- Hall, J.B.** March 2002. "Beef management tips – March beef management calendar" and "Cow that loses calf at birth could save others." Livestock Update and The Virginia Cattleman newspaper.

- Hall, J.B.** March 2002. “The cow-calf manager – prepare now for a dry spring.” Livestock Update and The Virginia Cattleman newspaper.
- Hall, J.B.** April 2002. “The cow-calf manager – purchasing replacement heifers may be the right choice.” Livestock Update and The Virginia Cattleman newspaper.
- Hall, J.B.** April 2002. “Buyers of Virginia premium assured heifers generally pleased.” Livestock Update and The Virginia Cattleman newspaper.
- Hall, J.B.** May 2002. “The cow-calf manager – right time for calving in Virginia – not summer.” Livestock Update and The Virginia Cattleman newspaper.
- Hall, J.B.** May 2002. “Beef management tips – May beef management calendar”, “Face flies appear to be early problem” and “Wait to put in fly tags.” Livestock Update and The Virginia Cattleman newspaper.
- Hall, J.B.** June 2002. “The cow-calf manager – give your bull a job evaluation.” Livestock Update and The Virginia Cattleman newspaper.
- Hall, J.B.** June 2002. “Beef management tips – June beef management calendar”, “Eazi-Breed® CIDR® finally approved for use in US”, “Stocker cattle benefit from reimplanting and ionophores.” Livestock Update and The Virginia Cattleman newspaper.
- Hall, J.B.** July 2002. “Beef management tips – July beef management calendar”. Livestock Update and The Virginia Cattleman newspaper.
- Hall, J.B.** July 2002. “The cow-calf manager – continued drought brings challenges and a few opportunities.” Livestock Update and The Virginia Cattleman newspaper.
- Hall, J.B.** August 2002. “Beef management tips – August beef management calendar”. Livestock Update and The Virginia Cattleman newspaper.
- Hall, J.B.** August 2002. “The cow-calf manager – fall calving cows will need special treatment in late summer”. Livestock Update and The Virginia Cattleman newspaper.
- Hall, J.B.** September 2002. “Beef management tips – September beef management calendar”, “Nitrate levels could be unsafe in heavily fertilized fields and pastures”, and Prussic acid poisoning could be a problem in late summer and early fall.” Livestock Update and The Virginia Cattleman newspaper.
- Hall, J.B.** September 2002. “The cow-calf manager – commodity feeds may keep cow-calf operations going”. Livestock Update and The Virginia Cattleman newspaper.
- Hall, J.B.** October 2002. Beef management tips – October beef management calendar” and “Acorn poisoning could cause problems this fall.” Livestock Update and The Virginia Cattleman newspaper.
- Hall, J.B.** October 2002. The cow-calf manager – drought may cause problems for fall calving herds”. Livestock Update and The Virginia Cattleman newspaper.
- Hall, J.B.** November 2002. Beef management tips – November beef management calendar.” Livestock Update and The Virginia Cattleman newspaper.
- Hall, J.B.** November 2002. The cow-calf manager – spring calving cows need a fall tune-up.” Livestock Update and The Virginia Cattleman newspaper
- Hall, J.B.** November 2002. Sale dates for VA premium assured heifers announced.” Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** December 2002. "December beef management calendar." Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** December 2002. "The cow-calf manager – fall-calving cows may need additional management for successful breeding." Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** December 2002. "Virginia joins mid-atlantic group certifying producers on beef quality assurance." Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** December 2002. "VA premium heifer sale results –prices solid." Livestock Update and The Virginia Cattleman newspaper.

### **2001**

**Hall, J.B.** January 2001. "The cow-calf manager - better diets for cows." Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** January 2001. "Beef management tips - January beef management calendar." Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** February 2001. "The cow-calf manager - extra energy needed during cold weather." Livestock Update and Virginia Cattleman newspaper.

**Hall, J.B.** February 2001. "Beef management tips - February beef management calendar." Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** March 2001. "The cow-calf manager - first 72 hours critical for calves." Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** March 2001. "Beef management tips - March beef management calendar." Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** March 2001. "First year of the Virginia premium assured heifer sales a success." Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** April 2001. "The cow-calf manager - preparing bulls for the breeding season." Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** April 2001. "Beef management tips - April beef management calendar." Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** May 2001. "The cow-calf manager - new estrus synchronization systems successful in Virginia." Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** May 2001. "Beef management tips - May beef management calendar" and "Wait to put in fly tags." Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** June 2001. "The cow-calf manager - supplemental nutrition may be needed during 2001 breeding season." Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** June 2001. "Beef management tips - June and July beef management calendar", "Plan now for feed shortages", "Early weaning may be an option", and "Stocker cattle benefit from reimplanting and ionophores." Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** July 2001. "The cow-calf manager – mid-summer cattle working pays dividends." Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** August 2001. "Beef management tips – August beef management calendar", and "Fertilize

pastures for stockpiling in August”. Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** August 2001. “Virginia premium assured heifer requirements revised for 2001-2002.” Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** August 2001. “Virginia premium assured heifer program sale summary.” Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** September 2001. “Beef management tips – September beef management calendar.” Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** September 2001. “The cow-calf manager – preparing for weaning”. Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** October 2001. “Beef management tips – October beef management calendar” and “Grass tetany and acorn poisoning could cause problems this fall.” Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** October 2001. “The cow-calf manager – supplemental feeding needed to combat dry late summer.” Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** November 2001. “Beef management tips – November beef management calendar.” Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** November 2001. “The cow-calf manager – understanding reproductive evaluations of replacement heifers”. Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** December 2001. “Beef management tips – December beef management calendar.” Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** December 2001. “The cow-calf manager – ensuring future success of pregnant replacement heifers.” Livestock Update and The Virginia Cattleman newspaper.

## **2000**

**Hall, J.B.** January 2000. “The cow-calf manager - add fat to late gestation cow diets - cottonseed may help.” Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** January 2000. “Beef management tips - January beef management calendar” and “Cow’s wish for 2000.” Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** February 2000. “The cow-calf manager - extra attention at calving - it’s so important.” Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** February 2000. “Beef management tips - February beef management calendar” and “colostrum for beef calves.” Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** March 2000. “March beef management calendar.” Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** April 2000. “The cow-calf manager - last chance to get cows in condition for breeding.” Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** April 2000. “The cow-calf manager - grazing management crucial after a drought.” Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** April 2000. “Beef management tips - April beef management calendar”, “Grass tetany time again”, and “Careful early castration is important.” Livestock Update and The Virginia Cattleman newspaper.

newspaper.

**Hall, J.B.** April 2000. "Pennsylvania produces blueprint for cattle feeders." Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** May 2000. "The cow-calf manager - estrus synchronization systems for Virginia cow/calf operations." Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** May 2000. "Beef management tips - May beef management calendar", "Wait to put in fly tags" and "Virginia Premium assured heifers sell well at Expo." Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** June 2000. "Beef management Tips - June beef management calendar", "Young cows need extra nutrition during breeding season", and "Stocker cattle benefit from reimplanting and ionophores". Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** June 2000. "The cow-calf manager - bull management essential for a successful breeding season." Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** July 2000. "The cow-calf manager - value of creep feeding depends on forage." Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** July 2000. "Beef management tips - July beef management calendar." Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** August 2000. "The cow-calf manager - systematic heifer development - the VA premium assured way." Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** August 2000. "Beef management tips - August beef management calendar", "Fertilize pastures for stockpiling in August", and Controlling algae in stocktanks." Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** September 2000. "The cow-calf manager - pasture and forage management." Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** September 2000. "Beef management tips - September beef management calendar. Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** September 2000. "2000-2001 Virginia cow-calf management schools to begin in October." Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** October 2000. "The cow-calf manager - good facilities are a key to good management." Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** October 2000. "Beef management tips - October beef management calendar", "Treat for grubs now", and Pregnancy check cows at weaning." Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** November 2000. "The cow-calf manager - body condition scoring and forage testing - keys to nutritional management." Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** November 2000. "Beef management tips - November beef management calendar." Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** December 2000. "The cow-calf manager - better diets for cows." Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** December 2000. "Beef management tips - December beef management calendar." Livestock Update and The Virginia Cattleman newspaper.

**1999**

**Hall, J.B.** January 1999. "The cow-calf manager – nutrition for the fall calving herd during lactation and breeding." Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** January 1999. "Beef management tips – January beef management calendar." Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** February 1999. "The cow-calf manager – winter nutrition critical for fall-born calves." Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** February 1999. "Beef management tips – February beef management calendar." Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** March 1999. "Beef management tips – March beef management calendar." Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** March 1999. "Selenium supplementation of cows improves health of calves." Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** March 1999. "1999 BIF convention planned June 16-19 in Virginia." Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** April 1999. "Beef management tips - April beef management calendar." Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** April 1999. "The cow-calf manager – implanting – a tool you shouldn't forget!" Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** May 1999. "The cow-calf manager – spring management of first calf heifers." Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** May 1999. "Beef management tips – May beef management calendar." Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** June 1999. "The cow-calf manager - fly control to keep the flies from winning." Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** June 1999. "Beef management tips - June beef management calendar." Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** July 1999. "The cow-calf manager - early weaning - should I wean now??" Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** July 1999. "Beef management tips - July beef management calendar." Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** September 1999. "The cow-calf manager - cattle will need more than energy supplementation in early fall." Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** September 1999. "Beef management tips - September beef management calendar" and "Grass tetany and acorn poisoning could cause problems this fall." Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** September 1999. "Water for cattle - how much is enough?" Livestock Update and The Virginia

Cattleman newspaper.

**Hall, J.B.** September 1999. "Feeding high levels of litter in late gestation may cause milk fever." Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** September 1999. "1999-2000 Virginia cow-calf management school to begin in October." Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** October 1999. "The cow-calf manager - body condition scoring especially important this year." Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** October 1999. "Beef management tips - October beef management calendar", "Treat for grubs now" and "Pregnancy check cows at weaning." Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** November 1999. The cow-calf manager - is your management ready for the changing beef industry? a management checklist." Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** November 1999. Beef management tips - November beef management calendar." Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** November 1999. Virginia premium assured heifers." Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** December 1999. "The cow-calf manager - jump start your cows for the breeding season." Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** December 1999. "December beef management calendar." Livestock Update and The Virginia Cattleman newspaper.

## **1998**

**Hall, J.B.** January 1998. "The cow-calf manager – precalving management." Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** February 1998. "The cow-calf manager – calving management." Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** March 1998. "The cow-calf manager – preparing for the breeding season." Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** April 1998. "The cow-calf manager – managing natural service and artificial insemination." Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** May 1998. "The cow-calf manager – management at turnout." Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** May 1998. "Mineral supplementation for cow/calf pairs." Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** June 1998. "The cow-calf manager – creep grazing." Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** June 1998. "Reproductive concerns when grazing or feeding small grain forage." Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** June 1998. "Mammalian protein feeding ban records." Livestock Update and The Virginia Cattleman newspaper.



- Hall, J.B.** July 1998. "Reproductive tract scoring replacement heifers." Livestock Update and The Virginia Cattleman newspaper.
- Hall, J.B.** August 1998. "The cow-calf manager – feed budgeting." Livestock Update and The Virginia Cattleman newspaper.
- Hall, J.B.** August 1998. "USDA report shows cow-calf industry poor users of technology." Livestock Update and The Virginia Cattleman newspaper.
- Hall, J.B.** September 1998. "The cow-calf manager – weaning strategies." Livestock Update and The Virginia Cattleman newspaper.
- Hall, J.B.** September 1998. "Prussic acid poisoning may be a problem in drought stressed forages." Livestock Update and The Virginia Cattleman newspaper.
- Hall, J.B.** October 1998. "Beef management tips – cow-calf management calendar - October." Livestock Update and The Virginia Cattleman newspaper.
- Hall, J.B.** October 1998. "The cow-calf manager – pregnancy checking – is it worth it?" Livestock Update and The Virginia Cattleman newspaper.
- Hall, J.B.** October 1998. "Stretching hay supplies." Livestock Update and The Virginia Cattleman newspaper.
- Hall, J.B.** October 1998. "Aflatoxin in corn may exceed safe levels." Livestock Update and The Virginia Cattleman newspaper.
- Hall, J.B.** November 1998. "The cow-calf manager – choosing a calving season or should I fall calve?" Livestock Update and The Virginia Cattleman newspaper.
- Hall, J.B.** November 1998. "Beef management tips – November management calendar" and "Many cows may be too thin this fall." Livestock Update and The Virginia Cattleman newspaper.
- Hall, J.B.** November 1998. "Research on hay feeding effects on e. coli shows promise, yield questions." Livestock Update and The Virginia Cattleman newspaper.
- Hall, J.B.** December 1998. "The cow-calf manager – estrous synchronization programs for fall calving herds." Livestock Update and The Virginia Cattleman newspaper.
- Hall, J.B.** December 1998. "Beef management tips – December beef management calendar" and "Purchasing bred heifers a good opportunity for small herds." Livestock Update and The Virginia Cattleman newspaper.
- 1997**
- Hall, J.B.** October 1997. "Encourage producers to lock in winter feed supplies now." Livestock Update and The Virginia Cattleman newspaper.
- Hall, J.B.** October 1997. "Fiber in alternative feeds." Livestock Update and The Virginia Cattleman newspaper.
- Hall, J.B.** November 1997. "Body condition scoring and winter readiness." Livestock Update and The Virginia Cattleman newspaper.
- Hall, J.B.** November 1997. "Cooperators for on-farm research and demonstrations." Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** November 1997. "1997 beef cow-calf conference scheduled for December." Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** December 1997. "The cow-calf manager – winter feeding and supplements." Livestock Update and The Virginia Cattleman newspaper.

**Hall, J.B.** December 1997. "Beef producers learn about replacement heifer management." Livestock Update and the Virginia Cattleman newspaper.

**Community Service:**

Beef Superintendent, Lemhi County Fair, 2010-present.

Member, Pastor Parish Relations Committee, Salmon United Methodist Church, 2009-2017

Coach, Skill-a-thon Team. Giles Agricultural 4-H Club, Giles Co., VA, 2002-2008

Chair, Pastor Parish Relations Committee, Fieldstone United Methodist Church, 2006-2008

**Honors and Awards:**

**PROFESSIONAL DEVELOPMENT:** (workshops and seminars attended)

**Teaching:**

**Scholarship:**

89th Annual Meeting of the Western Section of the American Society of Animal Science. June 20-23, 2017. Fargo, ND.

Applied Reproductive Strategies in Beef Cattle. Manhattan, KS. August 29 & 30, 2017

Joint Annual Meeting of Animal Science Societies. 108<sup>nd</sup> Annual Meeting of the American Society of Animal Science. July 19-23, 2016. Salt Lake City, UT.

Applied Reproductive Strategies in Beef Cattle. Ames, IA. September 7&8, 2016

Western Section of American Society of Animal Science Annual Meeting. June 22-25, 2015. Ruidoso, NM.

Applied Reproductive Strategies in Beef Cattle. Davis, CA. August 17-18, 2015

Joint Annual Meeting of Animal Science Societies. 106<sup>nd</sup> Annual Meeting of the American Society of Animal Science. July 20-24, 2014. Kansas City, MO.

Western Section of American Society of Animal Science Annual Meeting. June 25-27, 2014. San Angelo, TX

Joint Annual Meeting of Animal Science Societies. 105<sup>nd</sup> Annual Meeting of the American Society of Animal Science. July 9-13, 2013. Indianapolis, IN.

Western Section of American Society of Animal Science Annual Meeting. June 19-21, 2013. Bozeman, MT.

Western Section of American Society of Animal Science Annual Meeting. June 21-23, 2011. Bozeman, MT.

102<sup>nd</sup> Annual Meeting of the American Society of Animal Science. July 12-15, 2010. Denver, CO.

Western Section of American Society of Animal Science Annual Meeting. July 11-12, 2010. Denver, CO.

Annual Meeting of the Southern Section of the American Society of Animal Science. February 2-5, 2008. Dallas, TX.

Annual Meeting of the Southern Section of the American Society of Animal Science. February 3-7, 2007. Mobile, AL

98<sup>th</sup> Annual Meeting of the American Society of Animal Science. July 11-15, 2006. Minneapolis, MN.

Annual Meeting of the Southern Section of the American Society of Animal Science. February 4-8, 2006. Orlando, FL.

97<sup>th</sup> Annual Meeting of the American Society of Animal Science. July 24-28, 2005. Cincinnati, OH.

Annual Meeting of the Southern Section of the American Society of Animal Science. February 4-8, 2005. Orlando, FL.

96<sup>th</sup> Annual Meeting of the American Society of Animal Science. July 25-29, 2004. St. Louis, MO.

Annual Meeting of the Southern Section of the American Society of Animal Science. February 14-18, 2004.

Tulsa, OK.  
94<sup>th</sup> Annual Meeting of the American Society of Animal Science. July 20-25, 2002. Quebec City, Quebec, Canada.  
Annual Meeting of the Western Section of the American Society of Animal Science. June 19-22, 2002. Fort Collins, CO.  
93<sup>rd</sup> Annual Meeting of the American Society of Animal Science. July 24-28, 2001. Indianapolis, IN.  
92<sup>nd</sup> Annual Meeting of the American Society of Animal Science. July 24-28, 2000. Baltimore, MD.  
91<sup>st</sup> Annual Meeting of the American Society of Animal Science. July 21-23, 1999. Baltimore, MD.  
89<sup>th</sup> Annual Meeting of the American Society of Animal Science. July 29-Aug1, 1997. Nashville, TN.  
88<sup>th</sup> Annual Meeting of the American Society of Animal Science. July 24-26, 1995. Rapid City, SD.  
87<sup>th</sup> Annual Meeting of the American Society of Animal Science. July 25-28, 1995. Orlando, FL.  
86<sup>th</sup> Annual Meeting of the American Society of Animal Science. July 11-15, 1994. Minneapolis, MN.  
85<sup>th</sup> Annual Meeting of the American Society of Animal Science. July 6-9, 1993. Spokane, WA.  
84<sup>th</sup> Annual Meeting of the American Society of Animal Science. August 8-11, 1992. Pittsburg, PA.  
83<sup>rd</sup> Annual Meeting of the American Society of Animal Science. August 2-4, 1991. Laramie, WY.  
82<sup>nd</sup> Annual Meeting of the American Society of Animal Science. July 31-Aug 3, 1990. Ames, IA.  
23<sup>rd</sup> Annual Meeting of the Society for the Study of Reproduction. July 15-18, 1990. Knoxville, TN.  
81<sup>st</sup> Annual Meeting of the American Society of Animal Science. July 31-Aug 4, 1989. Lexington, KY.  
80<sup>th</sup> Annual Meeting of the American Society of Animal Science. July 19-22, 1988. Rutgers, NJ.  
76<sup>th</sup> Annual Meeting of the American Society of Animal Science. July, 1984. Columbus, MO.

**Outreach:**

Idaho Cooperative Extension Annual Conference 2008-2017.  
Virginia Cooperative Extension Annual Conference 1998-2008.

**Administration/Management:**

Total Quality Management Seminar at USDA-ARS Miles City, MT, 1993.