

Ryan James Rathmann

ryan.rathmann@ttu.edu

(806) 742-2805 x233 office • (806) 789-6725 cell

Office: Box 42141, Lubbock, TX 79409

Home: 20905 FM 2192, Slaton, TX 79364

EDUCATION

Texas Tech University, GPA 3.81 Ph.D. Ruminant Nutrition	Lubbock December 2008
Texas A&M University, GPA 3.58 M. S. Physiology of Reproduction	College Station December 2005
Texas A&M University, GPA 3.72 B. S. Animal Science, Production Option	College Station May 2002
Connors State College, GPA 3.96 A. S. Agriculture	Warner, OK May 2000

WORK EXPERIENCE

Assistant Professor, Texas Tech Dept. Animal & Food Sciences	Jan. 2009 - present
Graduate Assistant/Instructor, TTU Dept. Animal & Food Sci.	Jan. 2006 - Dec. 2008
Certified American Boer Goat Association Judge	Oct. 2005 - present
Assistant Lecturer, Texas A&M Dept. Animal Science	Aug. 2005 - Dec. 2005
Sales Consultant, Cargill Animal Nutrition	Jan. - Aug. 2005
Graduate Assistant, Texas A&M Dept. Animal Science	June 2002 - Dec. 2004
Professional Livestock Judge	Jan. 2002 - present
Administrative Manager Intern, Cargill Animal Nutrition	Summer 2001
Cow/Calf Operation Owner and Manager, RK Cattle Co.	Apr. 2000 - present

TEACHING EXPERIENCE

Assistant Professor, Texas Tech University	Jan. 2009 - present
ANSC 1401: Introduction to Animal Science	
ANSC 2301: Introduction to Livestock & Meat Evaluation I	
ANSC 2302: Introduction to Livestock & Meat Evaluation II	
ANSC 3203: Advanced Livestock Evaluation I	
ANSC 3204: Advanced Livestock Evaluation II	
ANSC 3402: Animal Breeding and Genetics	
ANSC 4000: Professional Internship	
ANSC 4202: Artificial Insemination of Livestock	
ANSC 4403: Beef Production	
ANSC 5001: Special Problems in Animal Science	
ANSC 6001: Supervised Teaching	
ANSC 7000: Research	
Beef Center Teaching Herd Faculty Coordinator	
Livestock Judging Team Faculty Coordinator and Coach	
Meat Animal Evaluation Team Faculty Coordinator and Coach	
Instructor, Texas Tech University	Aug. 2006 - Dec. 2008

ANSC 3402: Animal Breeding and Genetics
ANSC 2302: Livestock & Meat Evaluation II
ANSC 3204: Advanced Livestock Evaluation
Livestock Judging Team Coach
Meat Animal Evaluation Team Coach

Guest Lecturer, Texas Tech University ANSC 1401: General Animal Science ANSC 2301: Livestock & Meat Evaluation I ANSC 4401: Swine Production ANSC 4406: Sheep & Goat Production	Aug. 2006- present
Assistant Lecturer, Texas A&M University ANSC 107: Introduction to Animal Science	Aug. - Dec. 2005
Teaching Assistant, Texas A&M University ANSC 108: Introduction to Animal Science Lab ANSC 315: Live Animal Evaluation ANSC 433: Reproduction in Farm Animals Lab Livestock Judging Team Coach	Aug. 2002 - Dec. 2004

HONORS

1. John W. and Doris Jones Endowed Professorship in Animal and Food Sciences; December 2011
2. National Champion Livestock Judging Team, Coach; November 2011
3. Reserve National Champion Meat Animal Evaluation Team, Coach; March 2011
4. National Champion Meat Animal Evaluation Team, Coach; March 2010
5. National Champion Livestock Judging Team, Coach; November 2009
6. National Champion Meat Animal Evaluation Team, Coach; March 2009
7. National Champion Livestock Judging Team and All-Time Record Team Score, Coach; November 2008
8. National Champion Meat Animal Evaluation , Coach; March 2008
9. National Champion Livestock Judging Team, Coach; November 2007
10. National Champion Meat Animal Evaluation, Coach; March 2007
11. National Champion Livestock Judging Team, Coach; November 2004
12. National Champion Livestock Judging Team, Coach; November 2003
13. National Champion Livestock Judging Team, Coach; November 2002

AWARDS

1. National Collegiate Coaches Association's Coach of the Year; 2011
2. College of Agricultural Sciences and Natural Resources Faculty of the Semester; 2010
3. College of Agricultural Sciences and Natural Resources Outstanding Instructor; 2009
4. Gamma Sigma Delta Outstanding Graduate Student in Animal and Food Sciences; 2009
5. Texas Tech Meat Science Association's Albert Usner Award; 2009
6. National Collegiate Coaches Association's Coach of the Year; 2004
7. Blackhawk East Community College's Distinguished Service Award; 2004
8. National Collegiate Coaches Association's Coach of the Year; 2003
9. Champion Academic Quadrathlon Team at Texas A&M University, Member; 2001

10. Champion Academic Quadrathlon Quiz Bowl Team at the American Society of Animal Science Southern Section Regional; 2002
11. All-American Livestock Judging Team, Member; 2001
12. Selected as "Mr. Connors" by the faculty at Connors State College based upon academics, character, and leadership achievements; 2000
13. National Champion Junior College Livestock Judging Team, Member; 1999-2000

LEADERSHIP/SERVICE

1. National Collegiate Livestock Judging Coaches Association, Vice President; 2011-2012
2. Southern Stockman Collegiate Livestock Judging Contest, Superintendent; 2011
3. TTU Summer 4-H/FFA Livestock Judging Camp, Coordinator and Speaker; 2011
4. Star of Texas 4-H/FFA Youth Livestock Judging Contest, Superintendent; 2011
5. FFA Area I & II Livestock Judging Contest, Superintendent; 2011
6. District II & VI 4-H Livestock Judging Contest, Superintendent; 2011
7. TTU Invitational Livestock Judging Contest, Superintendent; 2011
8. National Collegiate Livestock Judging Coaches Association, Vice President; 2010-2011
9. CASNR Recruitment and Retention Committee, Member; 2010- 2011
10. Southern Stockman Collegiate Livestock Judging Contest, Superintendent; 2010
11. TTU Summer 4-H/FFA Livestock Judging Camp, Coordinator and Speaker; 2010
12. Star of Texas 4-H/FFA Youth Livestock Judging Contest, Superintendent; 2010
13. FFA Area I & II Livestock Judging Contest, Superintendent; 2010
14. District II & VI 4-H Livestock Judging Contest, Superintendent; 2010
15. TTU Invitational Livestock Judging Contest, Superintendent; 2010
16. National Collegiate Livestock Judging Coaches Association, Treasurer; 2009-2010
17. CASNR Recruitment and Retention Committee, Member; 2009- 2010
18. Texas Tech University Livestock Judging Coaches Clinic for 4-H Extension Agents and FFA Ag Science Teachers, Coordinator and Speaker; 2009
19. Southern Stockman Collegiate Livestock Judging Contest, Superintendent; 2009
20. TTU Summer 4-H/FFA Livestock Judging Camp, Coordinator and Speaker; 2009
21. Star of Texas 4-H/FFA Youth Livestock Judging Contest, Superintendent; 2009
22. FFA Area I & II Livestock Judging Contest, Superintendent; 2009
23. District II & VI 4-H Livestock Judging Contest, Superintendent; 2009
24. TTU Invitational Livestock Judging Contest, Superintendent; 2009
25. TTU Christmas Pig Drive, Coordinator; 2008
26. Southern Stockman Collegiate Livestock Judging Contest, Superintendent; 2008
27. TTU Summer 4-H/FFA Livestock Judging Camp, Coordinator and Speaker; 2008
28. Star of Texas 4-H/FFA Youth Livestock Judging Contest, Superintendent; 2008
29. FFA Area I & II Livestock Judging Contest, Superintendent; 2008
30. District II & VI 4-H Livestock Judging Contest, Superintendent; 2008
31. TTU Invitational Livestock Judging Contest, Superintendent; 2008
32. Double T Lamb Show, Coordinator; 2006
33. TTU Christmas Pig Drive, Coordinator; 2007
34. Southern Stockman Collegiate Livestock Judging Contest, Superintendent; 2007
35. FFA Area I & II Livestock Judging Contest, Superintendent; 2007
36. District II & VI 4-H Livestock Judging Contest, Superintendent; 2007
37. TTU Invitational Livestock Judging Contest, Superintendent; 2007
38. Double T Lamb Show, Coordinator; 2006
39. TTU Christmas Pig Drive, Coordinator; 2006
40. Raiderfest 4-H and FFA Livestock Judging Contest, Coordinator; 2006
41. Southern Stockman Collegiate Livestock Judging Contest, Superintendent; 2006

42. State Fair of Texas Collegiate Livestock Judging Contest, Official; 2005
43. Texas A&M University Livestock Judging Camp, Coordinator; 2004
44. Aggiefest Invitational Livestock Judging Contest, Coordinator; 2004
45. State 4-H Roundup Livestock Judging Contest, Coordinator; 2004
46. State FFA Livestock Judging Contest, Coordinator; 2004
47. District IX & XI 4-H Livestock Judging Contest, Coordinator; 2004
48. Area III & IX FFA Livestock Judging Contest, Coordinator; 2004
49. Texas A&M University Livestock Judging Camp, Coordinator; 2003
50. Aggiefest Invitational Livestock Judging Contest, Coordinator; 2003
51. State 4-H Roundup Livestock Judging Contest, Coordinator; 2003
52. State FFA Livestock Judging Contest, Coordinator; 2003
53. District IX & XI 4-H Livestock Judging Contest, Coordinator; 2003
54. Area III & IX FFA Livestock Judging Contest, Coordinator; 2003
55. Texas A&M University Livestock Judging Camp, Coordinator; 2002
56. Aggiefest Invitational Livestock Judging Contest, Coordinator; 2002
57. State 4-H Roundup Livestock Judging Contest, Coordinator; 2002
58. State FFA Livestock Judging Contest, Coordinator; 2002
59. District IX & XI 4-H Livestock Judging Contest, Coordinator; 2002
60. Area III & IX FFA Livestock Judging Contest, Coordinator; 2002
61. TAMU Saddle & Sirloin Club Ham Auction, co-chairman; 2002
62. TAMU Saddle & Sirloin Club Steer & Heifer Futurity, Chairman; 2002
63. TAMU Saddle & Sirloin Club Ham Auction, co-chairman; 2001
64. TAMU Saddle & Sirloin Club Steer & Heifer Futurity, Chairman; 2001
65. College of Agricultural and Life Sciences Student Council, Transfer Representative - 2001
66. Connors Student Senate, Aggie Club Representative; 1999

SPEAKING ENGAGEMENTS

1. Guest speaker and live animal demonstration host, *U.S. Beef Value Program: Utilization of Carcass Ultrasound to Predict Carcass Grades in Live Cattle and Understanding Interrelationships between Carcass Transfer at the End of the Finishing Period and Feeding Zilmax* for feedlot managers from the northwestern United States sponsored by Merck Animal Health on October 18-20, 2011.
2. Guest speaker and host, *An Overview of the United States Beef Production System* for beef producers from Brazil at Texas Tech University on October 24, 2011.
3. Guest speaker, *Current Conditions and Economics of the Texas Beef Cattle Industry* for members of the Arkansas Cattleman's Association at Texas Tech University on September 26, 2011.
4. Guest speaker, *An Overview of the United States Beef Production System* for Caribbean chef team sponsored by the Texas Beef Council and the Beef Checkoff at Texas Tech University on August 29, 2011.
5. Guest speaker, *U.S. Beef Value Program: Maximizing the Zilmax Effect by Extending Days on Feed* for Canadian delegates sponsored by Merck Animal Health on August 15-17, 2011.
6. Guest speaker, *Texas 4-H Youth Livestock Ambassador Training: An Overview of Animal Breeding and Genetics & Nutritional Management of Youth Livestock Projects* sponsored by Texas Tech University and the Texas 4-H Foundation at Texas Tech University on July 25-27.
7. Guest speaker and live animal demonstration host, *Youth Beef 706: Commercial Feedlot Tour, Live Slaughter Cattle Evaluation, & Management of Genetics to Propagate Superior Carcass Value* for youth and parents which had participated in the Commercial Steer

- Show at the Houston Livestock Show & Rodeo sponsored by the Texas Beef Council and the Beef Checkoff at Texas Tech University on July 19-20, 2011.
8. Instructor and coordinator, *Texas Tech 4-H/FFA Livestock Judging Camp: Introduction to Oral Reasons, Evaluation of Market Cattle, & Evaluation of Breeding Cattle and Performance Data* for 4-H and FFA youth at Texas Tech University on May 29-31 and June 2-4, 2011.
 9. Guest speaker and live animal demonstration host, *Utilization of Carcass Ultrasound to Sort Feedlot Cattle* for Argentinian beef producers/CREA at Texas Tech University on May 23-24, 2011.
 10. Guest speaker, coordinator, and live animal demonstration host, *U.S. Beef Value Program: Utilization of Carcass Ultrasound to Predict Carcass Grades in Live Cattle and Understanding Interrelationships between Carcass Transfer at the End of the Finishing Period and Feeding Zilmax* for members of the Beef Marketing Group alliance sponsored by Intervet Schering Plough Animal Health at Texas Tech University on May 18-20, 2011.
 11. Guest speaker, *An Overview of the United States Beef Production System* for foodservice group sponsored by the Texas Beef Council and the Beef Checkoff at Texas Tech University on May 10-11, 2011.
 12. Guest speaker and live animal demonstration host, *Commercial Feedlot Tour & An Overview of the United States Beef Production System* for U.S. Foods employees sponsored by the Texas Beef Council and the Beef Checkoff at Texas Tech University on September 14-15, 2010.
 13. Guest speaker, *U.S. Beef Value Program: Assessing Carcass Grades on a Live Basis in Feedlot Cattle* for Australia delegation sponsored by Intervet Schering Plough Animal Health at Texas Tech University on August 4-6, 2010.
 14. Guest speaker, *Texas 4-H Youth Livestock Ambassador Training: An Overview of Animal Breeding and Genetics & Nutritional Management of Youth Livestock Projects* sponsored by Texas Tech University and the Texas 4-H Foundation at Texas Tech University on July 26-28, 2010.
 15. Guest speaker, *Youth Beef 706: Commercial Feedlot Tour, Live Slaughter Cattle Evaluation, & Management of Genetics to Propagate Superior Carcass Value* for youth and parents which had participated in the Commercial Steer Show at the Houston Livestock Show & Rodeo sponsored by the Texas Beef Council and the Beef Checkoff at Texas Tech University on July 22-23, 2010.
 16. Guest speaker and reciprocation session host, *Growth Enhancement Technologies in Beef Cattle: A Live Animal and Carcass Ultrasound Demonstration of Cattle Administered Beta Agonists*. Invited presentation at the 63rd American Meat Science Association Reciprocal Meat Conference in Lubbock, TX on June 18-23 2010.
 17. Instructor and coordinator, *Texas Tech University Livestock Judging Camp* for 4-H and FFA youth at Texas Tech University on May 30-June 1 and June 6-8, 2010.
 18. Guest speaker, *An Overview of the United States Beef Production System* for a Korean HRI team sponsored by the USMEF and Texas Beef Council at Texas Tech University on May 24, 2010.
 19. Guest speaker, *U.S. Beef Value Program: Understanding Changes in Feedlot and Carcass Performance at the End of the Feeding Period & Maximizing the Zilmax Response* for feedlot managers sponsored by Intervet Schering Plough Animal Health at Texas Tech University on February 10-12, 2010.
 20. Guest speaker, *R. A. Brown Ranch Cooperator Meeting: Blending Phenotypic and Genotypic Selection Practices within Your Breeding Program* for managers of cooperator herds of the R.A. Brown Ranch at Throckmorton, TX in December 2009.
 21. Guest speaker and live animal demonstration host, *Evaluation of United States Breeding Cattle* for Columbian Ministry of Agriculture Beef Tour at Texas Tech University on October 9, 2009.

22. Guest speaker, *U.S. Beef Value Program: A Summary of Zilmax x Serial Slaughter Studies* for feedlot nutrition consultants sponsored by Intervet Schering Plough Animal Health at Texas Tech University in December 2009.
23. Guest Speaker, *An Overview of the U.S. Beef Production System* for USAID funded Cochran Fellows from Thailand at Texas Tech University on September 30, 2009.
24. Instructor, Texas 4-H Beef and Swine Mentor Training for certification of adult 4-H project leaders at Texas Tech University in August 2009.
25. Guest speaker, *Beef 706: Managing Stocker Calves for Improved Feedlot Performance and Carcass Quality & Live Estimation of Carcass Grades of Slaughter Cattle* for employees of Heritage Cattle Feeders sponsored by the Texas Beef Council and Beef Checkoff in August 2009.
26. Guest speaker, *U.S. Beef Value Program: A Summary of Zilmax x Serial Slaughter Studies* for feedlot managers sponsored by Intervet Schering Plough Animal Health at Texas Tech University in July 2009.
27. Guest speaker, *Youth Beef 706: Commercial Feedlot Tour, Live Slaughter Cattle Evaluation, Management of Genetics to Propagate Superior Carcass Value, & Understanding Carcass Grids* for youth and parents which had participated in the Commercial Steer Show at the Houston Livestock Show & Rodeo sponsored by the Texas Beef Council and the Beef Checkoff at Texas Tech University in June 2010.
28. Instructor and coordinator, Texas Tech University Livestock Judging Camp for 4-H and FFA youth at Texas Tech University on May 31-June 2 and June 7-9, 2009.
29. Guest speaker, *An Overview of the U.S. Beef Production System* for Vietnamese foodservice executives sponsored by the USDA/ Agricultural Services Emerging Market Program in May 2009.
30. Instructor, Texas 4-H Sheep and Goat Mentor Training for certification of adult 4-H project leaders at Texas Tech University in August of 2008.
31. Instructor and coordinator, Texas Tech University Livestock Judging Camp for 4-H and FFA youth at Texas Tech University on June 1-3 2008.
32. Guest speaker, *Beef 706: Managing Stocker Calves for Improved Feedlot Performance and Carcass Quality* for cow-calf producers sponsored by the Texas Beef Council and Beef Checkoff in April 2008.
33. Guest speaker, *7th Annual Philip O. Doornbos Agriculture Lecture Series: Developing Public Speaking Skills thru Livestock Judging* for junior college and high school youth at Casper College, WY in February 2008.
34. Instructor, Texas 4-H Beef Master Volunteer Training for certification of adult project leaders at Texas Tech University in August 2007.
35. Instructor, American Boer Goat Association Junior Leadership Conference for ABGA junior members at Texas A&M University in August 2006.
36. Instructor, Calgary Stampede Livestock Evaluation Seminar for Canadian beef cattle producers sponsored by the Calgary Stampede in Alberta, Canada in June 2006.
37. Speaker and coordinator, *Implementation of a Sound Mineral Program for Beef Cow Herds* for cow-calf producers sponsored by Cargill Animal Nutrition at numerous locations across East and Central Texas from January-August 2005.
38. Instructor, Calgary Stampede Livestock Evaluation Seminar for Canadian beef cattle producers sponsored by the Calgary Stampede in Alberta, Canada in June 2004.
39. Instructor, Texas A&M University Livestock Judging Camp for 4-H and FFA youth at Texas A&M University in June 2004.
40. Instructor, Texas A&M University Livestock Judging Camp for 4-H and FFA youth at Texas A&M University in June 2003.
41. Instructor, Texas A&M University Livestock Judging Camp for 4-H and FFA youth at Texas A&M University in June 2002.

Peer Reviewed Articles

1. Vasconcelos, J. T., **R. J. Rathmann**, R. R. Reuter, J. Leibovich, J. P. McMeniman, K. E. Hales, T. L. Covey, M. F. Miller, W. T. Nichols, and M. L. Galyean. 2008. Effects of duration of zilpaterol hydrochloride feeding and days on the finishing diet on feedlot cattle performance and carcass traits. *J. Anim. Sci.* 86:2005-2015.
2. J. M. Mehaffey, J. C. Brooks, **R. J. Rathmann**, E. M. Alsup, J. P. Hutcheson, W. T. Nichols, M. N. Streeter, D. A. Yates, B. J. Johnson, and M. F. Miller. 2009. Effect of feeding zilpaterol hydrochloride to beef and calf-fed Holstein cattle on consumer palatability ratings. *J. Anim. Sci.* 87:3712-3721.
3. **Rathmann, R. J.**, J. M. Mehaffey, T. J. Baxa, W. T. Nichols, D. A. Yates, J. P. Hutcheson, J. C. Brooks, B. J. Johnson, and M. F. Miller. 2009. Effects of duration of zilpaterol hydrochloride and days on the finishing diet on carcass cutability, composition, tenderness, and skeletal muscle gene expression in feedlot steers. *J. Anim. Sci.* 87:3686-3701.
4. Igo, J. L., J. C. Brooks, B. J. Johnson, J. Starkey, **R. J. Rathmann**, A. J. Garmyn, W. T. Nichols, J. P. Hutcheson, and M. F. Miller. 2011. Characterization of Revalor-XS on tenderness and consumer acceptability of beef under the effect of two aging times. *J. Anim. Sci.* 89:792-797.
5. Garmyn, A. J., S. M. Knobel, K. S. Spivey, L. F. Hightower, J. C. Brooks, B. J. Johnson, S. L. Parr, **R. J. Rathmann**, J. D. Starkey, D. A. Yates, J. M. Hodgen, J. P. Hutcheson, and M. F. Miller. 2011. Warner-Bratzler and slice shear force measurements of 3 beef muscles in response to various aging periods following trenbolone acetate and estradiol implants and zilpaterol hydrochloride supplementation of finishing beef steers. *J. Anim. Sci.* 89:3783-3791.
6. Shertz, M. J., A. J. Garmyn, **R. J. Rathmann**, J. D. Kellermeier, S. P. Jackson, C. B. Ramsey, F. L. Williams, and M. F. Miller. 2011. Estimation of live quality grade in multiple biological types of beef slaughter steers and the relationship to carcass quality. *Prof. Anim. Sci.* 27:328-335.
7. O'Quinn, T. G., J. C. Brooks, R. J. Polkinghorne, A. J. Garmyn, B. J. Johnson, J. D. Starkey, **R. J. Rathmann**, and M. F. Miller. 2012. Consumer assessment of beef strip loin steaks of varying fat levels. *J. Anim. Sci.* 90:626-634.
8. Burdick, N. C., B. C. Bernhard, J. A. Carroll, **R. J. Rathmann**, and B. J. Johnson. 2012. Enhancement of the acute phase response to a lipopolysaccharide challenge in steers supplemented with chromium. *Innate Immunity*. Published online before print Dec. 16, 2011, doi: 10.1177/1753425911428964.
9. **Rathmann, R. J.**, B. C. Bernhard, R. S. Swingle, T. E. Lawrence, W. T. Nichols, D. A. Yates, J. P. Hutcheson, M. N. Streeter, J. C. Brooks, M. F. Miller, and B. J. Johnson. 2012. Effects of zilpaterol hydrochloride and days on the finishing diet on feedlot performance, carcass characteristics, and tenderness in beef heifers. *J. Anim. Sci.* *In review*.
10. Bernhard, B. C., N. C. Burdick, W. Rounds, **R. J. Rathmann**, J. A. Carroll, D. N. Fink, M. A. Jennings, T. R. Young, and B. J. Johnson. 2012. Chromium supplementation alters the performance and health of feedlot cattle during the receiving period and enhances their metabolic response to a lipopolysaccharide (LPS) challenge. *J. Anim. Sci.* *In Review*.
11. Bernhard, B. C., N. C. Burdick, W. Rounds, **R. J. Rathmann**, J. A. Carroll, D. N. Fink, M. A. Jennings, T. R. Young, and B. J. Johnson. 2012. Chromium supplementation alters

both glucose and lipid metabolism in feedlot cattle during the receiving period. *J. Anim. Sci. In Review.*

Invited

1. Johnson, B. J., B. C. Bernhard, D. N. Finck, R. J. Tokach, S. L. Parr, **R. J. Rathmann**, and K. Y. Chung. 2012. Reserch Update: Texas Tech University Interaction of exogenous growth promotants and nutrition on skeletal muscle and adipose tissue growth and development in beef cattle. Pub. AREC 2011-15 Texas AgrilifeResearch and Extension Center, Amarillo. Page 73-78.

Abstracts

1. **Rathmann, R. J.**, L. R. Sprott, J. W. Holloway, K. S. Barling, B. G. Warrington, K. O. Curley, Jr., and D. W. Forrest. 2006. Effects of conventional or low bull to female ratio in extensively-managed, natural mating breeding groups. Proc. South. Sect. Amer. Soc. Anim. Sci. (Abstr.)
2. **Rathmann, R. J.**, L. R. Sprott, J. W. Holloway, K. S. Barling, B. G. Warrington, K. O. Curley, Jr., and D. W. Forrest. 2006. Utilization of reproductive tract scores in extensively-managed, natural mating breeding groups. Proc. South. Sect. Amer. Soc. Anim. Sci. (Abstr.)
3. **Rathmann, R. J.**, T. J. Baxa, J. T. Vasconcelos, M. L. Galyean, B. J. Johnson, and M. F. Miller. 2008. Expression of myosin heavy chain mRNA abundance in skeletal muscle of finishing steers. *J. Anim. Sci.* 86(E-Suppl. 2):380 . (Abstr.)
4. Bernhard, B. C, R. S. Swingle, T. E. Lawrence, W. T. Nichols, D. A. Yates, J. P. Hutcheson, M. N. Streeter, J. C. Brooks, M. F. Miller, B. J. Johnson, and **R. J. Rathmann**. 2010. Increasing days on the finishing diet equalizes carcass grade distributions of zilpaterol-HCl fed heifers. Pages 96-97 in Proc. Plains Nutr. Council Spring Conference Publication No. AREC 10-57. Texas A&M Research Extension Center, Amarillo. (Abstr.)
5. Bernhard, B. C., R. S. Swingle, T. E. Lawrence, W. T. Nichols, D. A. Yates, J. P. Hutcheson, M. N. Streeter, J. C. Brooks, M. F. Miller, B. J. Johnson and **R. J. Rathmann**. 2010. Increasing days on the finishing diet equalizes carcass grade distributions of zilpaterol-HCl fed heifers. Page 44 in the Proc. 63rd Reciprocal Meat Conference of the American Meat Science Association. Texas Tech University, Lubbock, TX. (Abstr.)
6. Bernhard, B. C., R. S. Swingle, T. E. Lawrence, W. T. Nichols, D. A. Yates, J. P. Hutcheson, M. N. Streeter, J. C. Brooks, M. F. Miller, B. J. Johnson and **R. J. Rathmann**. 2010. Increasing days on the finishing diet equalizes carcass grade distributions of zilpaterol-HCl fed heifers. ADSA-PSA-AMPA-CSAS-ASAS Joint Annual Meeting. Denver, CO. (Abstr.)
7. Bernhard, B. C., N. C. Burdick, **R. J. Rathmann**, D. N. Finck, W. Rounds, J. A. Carroll, A. N. Loyd, B. J. Johnson. 2011. Chromium supplementation alters the performance, metabolism, and immune response of feedlot cattle during the receiving period. Proc. Plains Nutrition Council Spring Conference. Pub. AREC 2011-15 Texas Agrilife Research and Extension Center, Amarillo. Page 88. (Abstr.)
8. Bernhard, B. C., **R. J. Rathmann**, D. N. Finck, W. Rounds, and B. J. Johnson. 2011. Chromium supplementation alters the performance and health of feedlot cattle during the receiving period. *J. Anim. Sci.* Vol. 89, E-Suppl.: 452. (Abstr.)
9. Bernhard, B. C., N. C. Burdick, **R. J. Rathmann**, D. N. Finck, J. A. Carroll, A.N. Loyd,

and B. J. Johnson. 2011. Chromium supplementation alters the glucose and lipid metabolism of feedlot cattle during the receiving period. *J. Anim. Sci.* Vol. 89, E-Suppl.: 452. (Abstr.)

10. Burdick, N. C., B. C. Bernhard, J. A. Carroll, J. W. Dailey, **R. J. Rathmann**, and B. J. Johnson. 2011. Chromium supplementation enhances the acute phase response of steers to lipopolysaccharide (LPS) challenge. *J. Anim. Sci.* 89(E-Suppl. 2): 39-40 (Abstract # 123).
11. Burdick, N. C., B. C. Bernhard, J. A. Carroll, A. N. Loyd, D. N. Finck, **R. J. Rathmann**, and B. J. Johnson. 2011. Chromium supplementation enhances the metabolic response of steers to lipopolysaccharide (LPS) challenge. *J. Anim. Sci.* Vol. 89, E-Suppl.: 496. (Abstr.)
12. Garmyn, A. J., L. F. Hightower, J. C. Brooks, B. J. Johnson, S. L. Parr, **R. J. Rathmann**, J. D. Starkey, D. A. Yates, J. M. Hodgen, J. P. Hutcheson, and M. F. Miller. 2011. Warner-Bratzler and slice shear force measurements of three beef muscles in response to various aging periods following anabolic implant and zilpaterol hydrochloride supplementation of finishing beef steers. *J. Anim. Sci.* Vol. 89, E-Suppl.: 489. (Abstr.)

Extension Publications

1. **Rathmann, R. J.**, L. R. Sprott, J. W. Holloway, B. G. Warrington, K. Barling, and D. W. Forrest. 2007. Reproductive rate of range beef cows in conventional or low bull to female ratio breeding groups. *Beef Cattle Research in Texas, 2007.* Texas Ag. Ext. Station, Texas A&M Univ., College Station, TX.
2. **Rathmann, R. J.**, L. R. Sprott, J. W. Holloway, B. G. Warrington, K. Barling, and D. W. Forrest. 2007. Relationship of reproductive tract scores in heifers with two-year reproductive performance. *Beef Cattle Research in Texas, 2007.* Texas Ag. Ext. Station, Texas A&M Univ., College Station, TX.

Reports

1. Vasconcelos, J. T., C. S. Abney, T. L. Covey, S. A. Keyser, J. P. McMeniman, **R. J. Rathmann**, R. R. Reuter, L. M. Shaw, and M. L. Galyean. 2006. Effects of the proportions of Sweet Bran (wet corn gluten feed) and/or corn dried distiller' grains with solubles on performance and carcass characteristics of finishing beef cattle fed steam-flaked corn based-diets. Burnett Center Internet Progress Report No. 18; Dept. Animal and Food Sci., Texas Tech University.
2. Leibovich, J., J. T. Vasconcelos, J. P. McMeniman, K. E. Hales, R. R. Reuter, **R. J. Rathmann**, and M. L. Galyean. 2008. Effects of corn processing method on performance and carcass characteristics of finishing beef cattle fed diets containing sorghum wet distiller's grains plus solubles. Burnett Center Internet Progress Report No. 19; Dept. Animal and Food Sci., Texas Tech University.
3. Hales, K. E., J. P. McMeniman, J. T. Vasconcelos, J. Leibovich, **R. J. Rathmann**, J. C. DeClerck, and M. L. Galyean. 2008. Effects of bulk density of steam-flaked corn and dietary roughage concentration on performance and carcass characteristics of finishing beef steers. Burnett Center Internet Progress Report No. 20; Dept. Animal and Food Sci., Texas Tech University.

Video Productions

1. **Rathmann, R. J.**, M. W. Barley, T. M. Jobe, J. L. Lansdell, and G. W. Davis. 2009. Livestock Judging: Classes, Critiques & Reasons-I. CEV Multimedia, Ltd., Lubbock. 105 min.

2. **Rathmann, R. J.**, M. W. Barley, T. M. Jobe, J. L. Lansdell, and G. W. Davis. 2010. Livestock Judging: Practice Classes-I. CEV Multimedia, Ltd., Lubbock. 80 min.

GRADUATE STUDENT COMMITTEES

Completed:

Co-Chair

1. Bryan Bernhard, M.S. 2011. *Effects of chromium supplementation on feedlot performance, health, and metabolism during the receiving period of beef cattle.*

Committee Member

1. Patrick Tinsley, M.S. 2011. Non-Thesis.
2. Derek Finck, M.S. 2011. *Yeast supplementation alters the performance and health of cattle during the receiving period.*
3. Rebecca Gotti, M.S. 2010. *Potential use of hyper-potassium medium in collection of semen in beef cattle.*
4. Mathew Stolz, M.S. 2010. Non-Thesis.
5. Greg Clark, M.S. 2010. Non-Thesis.

In Progress:

Chair

1. Joshua Cribbs, M.S. 2012. *Effects of citrus by-product dietary inclusion on feedlot performance, metabolism, and the immune response of beef heifers during the receiving period.*

Committee Member

1. Tanner Young, M.S. 2012.
2. Collin Corbin, M.S. 2013.

GRANTS & AWARDS

Total Funding (R. J. Rathmann) = \$335,200 (\$63,688)

Total F&A Generated = \$10,614.54

1. Miller, M. F., J. C. Brooks, B. J. Johnson, **R. J. Rathmann** and J. Starkey. 2010. *Mechanistic Action and Further Enhancement of Feeding Vitamin D3 to Zilpaterol-Fed Cattle.* Intervet Schering Plough Animal Health. \$98,000 (\$18,620)
 2. Miller, M. F., J. C. Brooks, B. J. Johnson, **R. J. Rathmann** and J. Starkey. 2010. *Enhancing Tenderness Through Feeding Vitamin D3 to Cattle Fed Zilpaterol.* Intervet Schering Plough Animal Health. \$98,000 (\$18,620).
 3. Miller, M. F., J. C. Brooks, B. J. Johnson, **R. J. Rathmann** and J. Starkey. 2009. *Zilmax Carcass and Warner Bratzler Shear Tenderness.* Intervet Schering Plough Animal Health. \$46,800 (\$8,892).
 4. Miller, M. F., J. C. Brooks, B. J. Johnson, **R. J. Rathmann** and J. Starkey. 2009. *Zilmax Tenderness Modeling.* Intervet Schering Plough Animal Health. \$92,400 (\$17,556).
-

PROFESSIONAL LIVESTOCK JUDGING CONSULTING (current total = 152 shows in 23 states)

2012 (12 shows)

Star of Texas Jr. Heifer Show	Austin
Comal County Livestock Show	New Braunfels
Houston Livestock Show and Rodeo Open Simmental Show	Houston
Western Bonanza Jr. Heifer and Steer Show	San Luis Obispo, CA
Southwest District Livestock Show	Chickasha, OK
Crosby County Livestock Show	Crosbyton
Scurry County Livestock Show	Snyder
Gaines County Livestock Show	Seminole
Hockley County Livestock Show	Levelland
National Western Progress thru Performance Simmental Pen Show	Denver, CO
National Western Open Red Angus Pen Show	Denver, CO
National Western Open Red Angus Show	Denver, CO

2011 (16 shows)

Wire-Grass Classic Jr. Steer and Heifer Show	Douglas, GA
North American International Livestock Exposition Jr. Heifer Show	Louisville, KY
Tulsa State Fair Jr. Steer Show	Tulsa, OK
State Fair of Texas Jr. Prospect Steer Show	Dallas
Harris County Jr. Steer Show	Houston
Washington County Fair Jr. Steer Show	Brenham
Colorado State Fair Jr. Steer Show	Pueblo, CO
National Jr. Beefmaster Show	West Monroe, LA
Hawaii State Fair Jr. Livestock Show	Honolulu, HI
Columbia County Fair Jr. Livestock Show	Columbia, MO
Golden Spread Classic	Lubbock
Northwest District Jr. Steer and Heifer Show	Enid, OK
Idalou Local Livestock Show	Idalou
Hill County Livestock Show	Hillsboro
Gaines County Livestock Show	Seminole
National Western Progress thru Performance Simmental Pen Show	Denver, CO

2010 (14 shows)

Idalou Local Livestock Show	Idalou
Hill County Livestock Show	Hillsboro
Houston Livestock Show & Rodeo Jr. Heifer Show	Houston
Weld County Fair Jr. Steer and Heifer Show	Greely, CO
Red Raider Classic Prospect Steer Show	Lubbock
Chaves County Jr. Steer and Heifer Show	Roswell, NM
Missouri State Fair Jr. Steer Show	Sedalia, MO
Kansas State Fair Jr. Steer and Heifer Show	Hutchinson, KS
Washington County Fair Jr. Steer Show	Brenham
State Fair of Texas Jr. Heifer Show	Dallas
Heart of Texas Jr. Steer Show	Waco
Heart of it All Prospect Steer and Heifer Show	Lima, OH
Wire-Grass Classic Jr. Steer and Heifer Show	Douglas, GA
Arizona National Steer and Heifer Pen Show	Phoenix, AZ

2009 (15 shows)

Houston Livestock Show & Rodeo Open Charolais Show	Houston
San Antonio Livestock Show & Rodeo Jr. Heifer Show	San Antonio
Southwestern Exposition & Livestock Show Open Red Angus Show	Fort Worth
Littlefield Livestock Association Jr. Prospect Steer and Heifer Show	Littlefield
Alabama Junior Cattleman's Assn. Roundup Jr. Steer and Heifer Show	Montgomery, AL
Sublette County Fair Jr. Sheep and Steer Show	Big Piney, WY
Wisconsin State Fair Jr. Steer Show	Milwaukee, WI
Curry County Fair Jr. Steer Show	Clovis, NM,
Roosevelt County Fair Jr. County Bred Steer Show	Portales, NM
East Texas State Fair Jr. Steer Show	Tyler
Mississippi State Fair Jr. Heifer Show	Jackson, MS
Liberty County Fair Jr. Steer Show	Liberty
State Fair of Texas Open Simmental, Simbrah, and Red Brangus Shows	Dallas
Williamson County Fair Jr. Steer Show	Georgetown, TX
Moore County Livestock Assn. Jr. Prospect Steer, Heifer, and Swine Show	Dumas

2008 (9 shows)

Dixie National Jr. Market Steer Show	Jackson, MS
Georgia State Fair Jr. Heifer Show	Perry, GA
Lamb County Prospect Steer and Heifer Show	Littlefield
National Junior Simmental Heifer Showmanship	Wichita Falls
Curry County Jr. Swine and Cattle Show	Clovis, NM
Roosevelt County Jr. Cattle Show	Portales, NM
Indiana State Fair Jr. Market Steer Show	Indianapolis, IN
Austin County Fair Jr. Steer and Heifer Show	Bellville
Williamson County Fair Jr. Steer Show	Georgetown

2007 (15 shows)

Tulsa State Fair Jr. Heifer Show	Tulsa, OK
Southern New Mexico State Fair Jr. Steer Show	Las Cruces, NM
Ozark Empire Fair Jr. Steer & Heifer Shows	Springfield, MO
Route 66 Summer Jackpot Show	Amarillo
Texas State Junior Charolais Field Day	Wichita Falls
Panhandle Parade of Breeds	Plainview
Texas State Junior Limousin Field Day	Fort Worth
Meat Goat Capital Classic Breeding Boer Goat Show	Goldthwaite
Oklahoma Jr. Beef Expo Steer & Heifer Shows	Stillwater, OK
Houston Livestock Show & Rodeo Open Red Angus, Zebu, and Miniature Hereford Shows	Houston
Potter County Livestock Show	Amarillo
McClennan County Livestock Show	Waco
Bailey County Livestock Show	Muleshoe
Scurry County Livestock Show	Snyder
Lynn County Livestock Show	Tahoka

2006 (21 shows)

Mississippi State Fair Jr. Heifer Show	Jackson, MS
Tulsa State Fair Jr. Heifer Show	Tulsa, OK
Okeechobee Jackpot Show	Okeechobee, FL

Kendall County Jackpot Show	Boerne
Texas State Fair Jr. Heifer Show	Dallas
Odessa Permian Basin Fair Steer Show & Open ABGA Show	Odessa
Santa Anna County Livestock Show	Las Cruces, NM
Carroll County Livestock Show	Manchester, MD
San Angelo Summer Spectacular	San Angelo
Ozark Empire Fair Jr. Steer Show	Springfield, MO
National Junior Maine Anjou Show Showmanship	Wichita Falls
Panhandle Parade of Breeds	Plainview
Sunflower Classic	Hutchinson, KS
Star of Texas Open Miniature Hereford Show	Austin
Houston Livestock Show & Rodeo Jr. Scramble Heifer Show	Houston
Northeastern Regional Livestock Fair Jr. Steer & Heifer Shows	Muskogee, OK
Maverick County Livestock Show	Eagle Pass
McClennan County Livestock Show	Waco
Uvalde County Livestock Show	Uvalde
Bexar County Livestock Show	San Antonio
Burnet County Livestock Show	Burnett

2005 (31 shows)

Texas State Fair Jr. Heifer Show	Dallas
North Carolina State Fair Jr. Heifer Show	Raleigh, NC
Medina County Livestock Show	Hondo
Willacy County Livestock Show	Raymondville
Robertson County Livestock Show	Hearne
Golden Spread Classic Steer & Heifer Show	Lubbock
Holiday Classic Livestock Show	Hearne
Falls County Livestock Show	Marlin
Southwest District Fair	Hope, AR
Polk County Livestock Show	Livingston
Fayette County Livestock Show	La Grange
Wharton County Livestock Show	Wharton
Maverick County Livestock Show	Eagle Pass
Northeastern Regional Livestock Fair Jr. Steer & Heifer Shows	Muskogee, OK
Nueces River Valley Classic Jackpot	George West
Titus County Livestock Show	Mt. Pleasant
Sunflower Classic	Hutchinson, KS
Freestone County Livestock Show	Fairfield
Grimes County Livestock Show	Navasota
Waller County Livestock Show	Waller
Jasper County Livestock Show	Jasper
Floresville Jackpot Show	Floresville
Burleson County Jackpot Show	Bellville
Crosby Local Livestock Fair	Crosby
Washington County Fair Jackpot Jr. Heifer Show	Brenham
In the Dome Summer Jackpot	Belton
Needville Jr. Meat Goat Jackpot	Needville
Rockdale Summer Jackpot	Rockdale
Comal County Jackpot Steer & Pig Show	New Braunfels
Brown County Jackpot Show	Brownwood
Gonzales Jackpot Heifer Show	Gonzales

2004 (12 shows)

Oklahoma State Fair Prospect Steer Show	Oklahoma City, OK
Grimes County Nostalgia Jackpot Heifer Show	Navasota
Robertson County Livestock Show	Hearne
Southwest District Fair	Chickasha, OK
Louisiana State Fair Open Gert, Jr. Hereford & Braford Shows	Shreveport, LA
Dodge City Jackpot Steer & Heifer Show	Dodge City, IA
San Patricio County Livestock Show	Sinton
Jim Hogg County Livestock Show	Hebronville
Milam County Jackpot	Cameron
Waller County Livestock Show	Waller
Hays County Preview Show	San Marcos
Texas A&M Saddle & Sirloin Futurity Meat Goat Jackpot	College Station

2003 (4 shows)

San Patricio County Livestock Show	Sinton
San Antonio Livestock Show Simbrah/Simmental Superbowl	San Antonio
Central Texas State Fair	Belton
Medina County Jr. Jackpot Show	Hondo

2002 (3 shows)

Central Texas State Fair	Belton
Texas State Simmental Field Day Showmanship	College Station
Hallettsville Jackpot Heifer Show	Hallettsville

GIFTS-IN-KINDS (current total = \$463,095)

2012 (\$201,950)

\$1,950	26 Doses of Yorkshire Boar Semen (\$75 x 26 = \$1,950) – Olsen Yorkshires, 29369 451 st Ave., Irene, SD 57037
\$75,000	Cash Gift contribution for establishment of the “William L. and Diane Jones Scholarship Endowment” for students on the Texas Tech University Livestock Judging Team – G.R. White Trust
\$25,000	Cash Gift contribution for establishment of the “William L. and Diane Jones Scholarship Endowment” for students on the Texas Tech University Livestock Judging Team – Diane Jones Family
\$100,000	Matching funds for establishment of the “William L. and Diane Jones Scholarship Endowment” for students on the Texas Tech University Livestock Judging Team – Texas Tech University, Box 45025, Lubbock, TX 79409

2011 (\$38,650)

\$2,500	10 Straws of Bovine Semen (\$250 x 10 = \$2,500) – Griswold Cattle Co., 5922 South Brush Creek, Stillwater, OK 74074
\$9,000	18 Bovine Embryos (\$500 x 18 = \$9,000) – 74-51 Cattle Co., Willie Couch, 3403 S150th St., Fairmont, OK 73736
\$9,750	13 Yorkshire Gilts (\$750 x 13 = \$9,750) for establishment of a registered swine program to enhance undergraduate teaching activities related to the Texas Tech University Swine Unit and Department of Animal and Food Sciences – Members of the Texas Tech Livestock Judging Team Program, Box 42141, Lubbock, TX 79409

\$10,000 Cash Gift for establishment of the “Ryan and Kayla Rathmann Pursuit of Excellence in Livestock Judging Endowment” – Members of the Texas Tech Livestock Judging Team Program, Box 42141, Lubbock, TX 79409

\$7,400 Cash Gift for contribution to “Ryan and Kayla Rathmann Pursuit of Excellence in Livestock Judging Endowment” – CEV Multimedia, 1020 SE Loop 289, Lubbock, TX 79404

2010 (\$207,395)

\$8,000 1 Angus Cow (1943; \$16,000 x ½ interest = \$8,000) - 9 Land and Cattle LP, Dallas, TX

\$16,500 33 Bovine Embryos (n=16, Net Worth 4200 x \$600; n=17, Encore x 610S; 33 x \$500 = \$16,500) – Foster Brothers Farms, Rt. 2 Box 36, Lockney, TX 79241

\$1,680 28 Embryo Transfers (28 x \$60 = \$1,680) – Dr. John Nelson, P. O. Box 3038, Bryan, TX 77805

\$765 51 Pregnancy Detections (51 x \$15 = \$765) – Dr. John Nelson, P. O. Box 3038, Bryan, TX 77805

\$20,000 Cash Gift for contribution to the “Excellence in Animal Food Research Fund” – Bob and Debbie Macy, 2180 Macy Road, Post, TX 79356

\$20,000 Matching funds for establishment of the “Bob and Debbie Macy and Adolph R. Hanslik Livestock Judging Team Scholarship Endowment” – Texas Tech University, Box 45025, Lubbock, TX 79409

\$10,000 Matching funds for addition to the “Bob and Debbie Macy and Adolph R. Hanslik Livestock Judging Team Scholarship Endowment” – Adolph Hanslik Estate

\$10,000 Cash Gift for establishment of the “Ryan and Kayla Rathmann Pursuit of Excellence in Livestock Judging Endowment” – Members of the Texas Tech Livestock Judging Team Program, Box 42141, Lubbock, TX 79409

\$10,000 Cash Gift for contribution to “Ryan and Kayla Rathmann Pursuit of Excellence in Livestock Judging Endowment” – Members of the Texas Tech Livestock Judging Team Program, Box 42141, Lubbock, TX 79409

\$25,000 Cash Gift for contribution to “Excellence in Animal Food Research Fund” – Members of the Texas Tech Livestock Judging Team Program, Box 42141, Lubbock, TX 79409

\$5,000 Cash Gift for contribution to “Excellence in Animal Food Research Fund” – Members of the Texas Tech Livestock Judging Team Program, Box 42141, Lubbock, TX 79409

\$5,000 Cash Gift for contribution to “Excellence in Animal Food Research Fund” – Wesley Glass, P.O. Box 246, Sterling City, TX 76951

\$45,000 Matching Funds for contribution to “Ryan and Kayla Rathmann Pursuit of Excellence in Livestock Judging Endowment” – Texas Tech University, Box 45025, Lubbock, TX 79409

\$5,000 Cash Gift for contribution to “Ryan and Kayla Rathmann Pursuit of Excellence in Livestock Judging Endowment” – CEV Multimedia, 1020 SE Loop 289, Lubbock, TX 79404

\$10,000 Cash Gift for contribution to “Morrison Family Scholarship Endowment in Livestock Judging” – Frances Morrison, Pampa, TX

\$5,000 Cash Gift for contribution to “Ryan and Kayla Rathmann Pursuit of Excellence in Livestock Judging Endowment” – CEV Multimedia, 1020 SE Loop 289, Lubbock, TX 79404

\$10,000 Cash Gift for contribution to “Ryan and Kayla Rathmann Pursuit of Excellence in Livestock Judging Endowment” – Don and Kay Clay Cash Foundation, 5201 18th Place, Lubbock, TX 79416

\$100 Cash Gift for contribution to “Ryan and Kayla Rathmann Pursuit of Excellence in Livestock Judging Endowment” – Robert Fee, Jr., 4002 16th St. #4405, Lubbock, TX 79416

\$250 Cash Gift for contribution to “Ryan and Kayla Rathmann Pursuit of Excellence in Livestock Judging Endowment” – Larry and Karen Holder, 6303 County Road 7430, Lubbock, TX 79424

\$100 Cash Gift for contribution to “Ryan and Kayla Rathmann Pursuit of Excellence in Livestock Judging Endowment” – Joe and Marjorie Parker, 2491 Parker Road, Byers, TX 76357

2009 (\$15,100)

\$500	20 Units of Semen (JS Sure Bet; 20 x \$25 = \$500) – Steenhoek Semen Services, 8939 NE 29 th Street, Ankeny, IA 50021
\$7,800	26 Bovine Embryos (n=13, Marathon x M713; n=13, Combination x C9390; 26 x \$300 = \$7,800) - R.A. Brown Ranch, P. O. Box 789, Throckmorton, TX 76483
\$700	14 Embryo Transfers (14 x \$50 = \$700) – Dr. John Nelson, P. O. Box 3038, Bryan, TX 77805
\$5,000	1 Simmental Cow (M713; \$5,000) - R.A. Brown Ranch, P. O. Box 789, Throckmorton, TX 76483
\$1,100	1 Allflex RFID Stick Reader and 150 Allflex EID Y-tags (1 x \$800; 150 x \$200 = \$300) – AllflexUSA, Inc., P.O. Box 612266, DFW Airport, TX 75261