

**Jessica L. Sperber, Ph.D.**  
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## **EDUCATION**

<b>Doctor of Philosophy</b> Ruminant Nutrition	<b>University of Nebraska—Lincoln</b> Lincoln, Nebraska, United States	<b>December 2021</b>
<b>Master of Animal Science</b> Major: Animal Science	<b>West Texas A&amp;M University</b> Canyon, Texas, United States	<b>December 2018</b>
<b>Bachelor of Science Degree</b> Major: Biological Sciences	<b>MacEwan University</b> Edmonton, Alberta, Canada	<b>May 2016</b>

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## **PROFESSIONAL EXPERIENCE**

**November 2022- Present**      **UNIVERSITY OF NEBRASKA—LINCOLN**  
**Assistant Professor and Feedlot Extension Specialist**  
**70% Extension, 30% Teaching**  
Deliver relevant education and problem-solving targeted toward feedlot owners, management, consultants, and allied industry. Organize the UNL beef feedlot extension team, coordinate feedlot roundtables, and contribute to UNL feedlot extension publications. Departmental committee service on Scholarships and Departmental Seminar. Responsible for teaching ASCI 820 Beef Feedlot Management - 3 credit (Graduate level); ASCI 457 Beef Feedlot Management - 3 credit (Undergraduate level); ASCI 490A Feedlot Internship Program - 1 credit  
Graduate student committee member – Ph.D. committee (2) and M.S. committee (3)  
Faculty search committee member (1)

**March 2022- October 2022**      **BULLSEYE FEEDS**  
**Feedlot Nutrition Consultant & Technical Specialist**  
Support progressive feedlot customers by providing nutritional advice, management solutions, and service support. Provide strong technical support to the Bullseye team and their customers.

**August 2019- December 2021**      **UNIVERSITY OF NEBRASKA—LINCOLN**  
**Graduate Assistant**  
Assist the Department of Animal Science in research initiatives and undergraduate teaching  
• ASCI 181 Young Beef Scholars  
**Eastern Nebraska Research and Extension Center**  
Assist with research and learning initiatives at the University feedlot and forage unit

**January 2017- December 2018**      **WEST TEXAS A&M UNIVERSITY**  
**Graduate Assistant**  
Assist the Department of Agriculture in research initiatives and undergraduate teaching of  
• Meat Animal Carcass Evaluation (ANSC 2376); Meat Science (ANSC 3317); Animal Science (ANSC 1319)  
**Beef Carcass Research Center & WTAMU Meat Lab**  
Beef carcass data collection and analysis in beef packers across North America, collecting carcass and grade data on specific lots of cattle and evaluating liver health.

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## **EXTENSION**

### **Extension Programming Leadership**

#### **Feedlot Extension Committee Chair (2022-Present)**

Lead the Feedlot Extension Committee. Conduct monthly meetings for coordination of extension activities and to discuss producer needs assessment. Members include Nebraska Extension specialists & educators.

#### **Beef Feedlot Roundtables (2023-Present)**

Organizer and speaker, held in Bridgeport, Gothenburg, West Point, NE to provide feedlot related programming to feedlot owners, operators, employees, and allied industry. In charge of organizing & executing the event, lining up speakers, delegating responsibilities to other extension faculty and staff. (In 2024 - 350 attendees across 3 locations, acquired \$3,000 in sponsorship).

#### **UNL Feedlot Social Media Engagement (2022-Present)**

Creation and management of UNL Feedlot Facebook (1,250 followers/page likes) and Instagram (517 followers/30,000 engagements) and management of Timmerman Feedyard Management Internship Facebook (1,394 followers/page likes).

#### ***Notable Posts***

1. “A day in the life of a feedlot cowboy” – Created to engage and encourage individuals to pursue a career in the feedlot sector. 14,900 views, 39 shares, 14 saves.
2. “A day in the life of a feedlot steer” – Created to engage and encourage individuals to pursue a career in the feedlot sector. 3,700 views, 13 shares, 7 saves.
3. “High moisture corn production” – Created to educate producers/consumers on the process of HMC production. 15,400 views, 27 shares, 16 saves.
4. “Encouraging food safety in the beef feedyard sector” – Created to educate consumers on the management strategies that are implemented at the feedyard level to ensure food safety. 10,000 views, 45 shares, 10 saves.
5. “Encouraging food safety in the cow/calf sector” – Created to educate consumers on the management strategies that are implemented at the cow/calf level to ensure food safety. 5,925 views, 13 shares, 4 saves.
6. “Heat stress management in the feedlot” – Created to educate producers on management strategies to prevent heat stress events in the feedlot. 4,806 views, 29 shares, 11 saves. (Additional 8,430 views, 33 shares via LinkedIn)
7. “Conventional finishing system vs. NHTC finishing system in beef cattle” – Created to highlight recent graduate student work at UNL. 2,189 views, 7 shares, 4 saves.

#### **Biennial Silage for Beef Conference (2024)**

Hosted the 5<sup>th</sup> biennial event in partnership with Lallemand Animal Nutrition. Organized speakers, caterers, rented venue, and assisted with promotional material. (160 in-person attendees, 200 live-stream attendees).

#### **Niman Ranch Beef Summit (2024)**

Hosted the 2024 Niman Ranch Beef Summit consisting of 140 attendees from coast-to-coast, involved in Hotel, Restaurant, and Institution management (urban population). Selected speakers and organized industry tours.

#### **USDA NCCC308 Committee – Member (2023-Present)**

- 2024 Meeting Chair – Lead organizer and facilitator for the 2024 meeting hosted at the University of Nebraska-Lincoln. Acquired sponsorship (totaling \$5,000), created agenda, organized logistics, and arranged for industry tours. (28 faculty & post-doctoral students from 12 states).
- 2023 Secretary for meeting held in Florida, hosted by University of Florida.

## U.S. Roundtable for Sustainable Beef – Feedyard Goals Committee (2023-Present)

Assist the USRSB Feedyard Task Force with sustainability and societal pillar goals.

## Beef Industry Labor Task Force –Committee Member (2023-Present)

Problem-solve and create programming targeted toward increasing the beef industry labor force. Engaged producers with certified immigration lawyers across the state of Nebraska via the Feedlot Roundtables. Created social media content to encourage individuals to enter into a career in the beef sector.

Extension Output Overview	2022 & Prior	2023	2024	Total
Webinar/Podcast	2	5	6	13
Radio/TV Interview	1	4	7	12
Invited presentations	10	10	15	35
Peer reviewed ext. articles	2	3	4	8
Proceedings			2	2
Scientific publications	4	2	4	10
Abstracts	8		1	9

## Webinars/Podcasts

1. Sperber, J. 2024. Cashing in on your calf crop: Adding value at the auction block. BeefWatch Podcast.
2. Sperber, J. 2024. Carcass growth through the feedlot phase of production. The Beef Podcast Show.
3. Sperber, J. 2024. Heat management in feedlot cattle. Nebraska 4-H Fed Beef Challenge, Webinar.
4. Sperber, J. and R. Lee. 2024. A big picture perspective on the Canadian Cattle Industry. BeefWatch Podcast.
5. Sperber, J., G. Erickson, R. Stowell, A. DiCostanzo. 2024. Emergency Mud Management. Production Animal Consultation, University of Nebraska-Lincoln, Nebraska Cattlemen, Webinar.
6. Sperber, J. 2024. Beef Feedlot Roundtables. BeefWatch Podcast.
7. Sperber, J. 2023. How to build a successful network in the beef industry. Canadian Cattle Young Leaders, Webinar.
8. Sperber, J. 2023. Feedlot performance comparison between implants and NHTC management. Production Animal Consultation, Webinar.
9. Sperber, J. 2023. Clarifying ear implant labels: On-label implants & expected performance outcomes. Nebraska Cattlemen, Webinar
10. Sperber, J. 2023. Beef Feedlot Roundtables. BeefWatch Podcast.
11. Sperber, J. 2023. Growth promoting implant technologies. Nebraska 4-H Fed Beef Challenge, Webinar.
12. Sperber, J. 2022. The impacts of nutritional management on carcass growth and meat quality. Canadian Limousin Association, Calgary, AB. Webinar.
13. Sperber, J. 2021. Ireland’s Ag Mental Health Week – The importance of mental health monitoring in graduate student populations. Webinar.

## Radio/TV Interviews

1. Sperber, J. 2024. Growth promoting implants and human health. RFD-TV.
2. Sperber, J. 2024. Heifer Harmony: Optimal Management for Heifers in the Feedlot. Market Journal.
3. Sperber, J. 2024. Heat stress management in the feedlot. Rural Radio Network – KTIC Extension Corner.
4. Sperber, J. 2024. What makes cows cool. Pure Nebraska/1011 News.
5. Sperber, J. 2024. Silage for Beef Conference. Rural Radio Network – KTIC Extension Corner.
6. Sperber, J. 2024. Beef Feedlot Roundtables 2024. Pure Nebraska/1011 News.
7. Sperber, J. 2024. Beef Feedlot Roundtables 2024. Rural Radio Network – KTIC Extension Corner.
8. Sperber, J. 2023. Heat Stress Management in the Feedlot. RFD-TV.

9. Sperber, J. 2023. Corn silage tips. Rural Radio Network – KTIC Extension Corner.
10. Sperber, J. 2023. Examining the impact of current cattle markets on beef prices. Pure Nebraska/1011 News.
11. Sperber, J. 2023. Current trends in cattle markets. Rural Radio Network – KTIC Extension Corner.

## Invited Presentations

1. Sperber, J. 2024. Changing the conversation- Evaluating feedyard closeouts and the beef system on a carcass basis. American Society of Animal Science, Beef Symposium, Calgary, AB.
2. Sperber, J. 2024. Building your brand. American Society of Animal Science, Graduate Student Luncheon.
3. Sperber, J. and M. Drewnoski. 2024. Understanding the cow/calf and feedlot sector. Nebraska Farm Bureau and Nebraska Beef Council, Mead, NE.
4. Sperber, J. 2024. New and Updated Technologies in Feedlot Management & Nutrition. Veterinary Agri-Health Services Ltd. Annual Feedlot Managers Meeting, Airdrie, AB, CAN
5. Sperber, J. 2024. How to engage with your custom harvester – Panel Moderator. Silage for Beef Conference, Ithaca, NE.
6. Sperber, J. 2024. Beef cattle nutritional impacts on meat quality. Niman Ranch Beef Summit, Lincoln, NE.
7. Sperber, J. 2024. Opportunities in current and future cattle market trends. Cuming County Cow-Calf Association.
8. Sperber, J. 2024. The impact of growth enhancing technologies on meat quality. High Steaks Junior Beef Club, Airdrie, AB, CAN.
9. Sperber, J. 2024. Marketing yourself in today’s job market. Build Your Brand: Graduate Student Symposium hosted by Zinpro. Plains Nutrition Council Annual Conference.
10. Sperber, J. 2024. Exploring the evolution of beef carcass composition: The influence of technology on quality and yield. Academy of Veterinary Consultants, Omaha, NE
11. Sperber, J. 2024. Adding value when marketing calves. SE Nebraska Cattlemen’s Banquet, Sterling, NE
12. Sperber, J. 2024. Understanding cattle growth enhancing technologies, Nebraska Women in Ag Conference, Kearney, NE
13. Sperber, J. 2024. New & Updated Technologies in Cattle Feeding. Beef Feedlot Roundtables, West Point, Gothenburg & Bridgeport, NE
14. Sperber, J. 2024. The beef packing industry. Nebraska Beef Industry Scholars, Lincoln, NE.
15. Sperber, J. 2024. Beef Industry Dynamics 101. USDA CCTC Meat Technical Training, Lincoln, NE
16. Sperber, J. 2023. Maximizing beef potential: Exploring the benefits & challenges of beef x dairy. Nebraska Cattlemen’s Annual Convention, Kearney, NE
17. Sperber, J. and B. Derksen. 2023. Choosing a custom feedlot? Do your homework. Interview, Feedlot Magazine.
18. Sperber, J. 2023. Cattle Markets & Packer Volumes: Where we are today. Husker Nutrition Conference, Ithaca, NE
19. Sperber, J. 2023. Beef industry dynamics when calf number/supply is low. Nebraska Beef Industry Scholars Summit, Ithaca, NE
20. Sperber, J. 2023. Growth enhancing technologies & implant update regulations. Dawson County Cattlemen, Overton, NE
21. Sperber, J. 2023. Feeding and Management Factors Affecting Beef Quality. Argentina Feedlot Consortium, Mead, NE
22. Sperber, J. 2023. Implications of running out of distillers grains during the feeding period. Renewable Fuels Nebraska, Kearney, NE
23. Sperber, J. 2023. Risk and reward of feeding cattle to heavier weights. Veterinary Agri-Health Services Ltd. Annual Feedlot Managers Meeting, Airdrie, AB, CAN
24. Sperber, J. 2023. Implications of feeding cattle to heavier weights. Midwest Consultant Forum, San Antonio, TX
25. Sperber, J. 2023. The beef packing industry. Nebraska Beef Industry Scholars, Lincoln, NE.
26. Sperber, J. 2022. The keys for success when networking as a young beef enthusiast. Canadian Beef Industry Conference, Penticton, BC

27. Sperber, J. 2022. Carcass growth and nutritional requirements from birth to harvest. More Than Just Feeds Annual Sales Meeting, Kananaskis, AB
28. Sperber, J. 2022. Cattle growth enhancing technologies. More Than Just Feeds, Technical Presentation.
29. Sperber, J. 2022. Utilizing cloning technology to improve beef carcass value. Nebraska Beef Scholars, Lincoln, NE
30. Sperber, J. 2021. The value under the hide. Young Canadian Simmental Association TEAM Conference, Edmonton, AB
31. Sperber, J. 2020. Importance of dietary carotenoids in maintaining human & livestock ocular health status. University of Nebraska-Lincoln, NE
32. Sperber, J. 2020. Utilizing cloning technology to improve beef carcass value. University of Nebraska-Lincoln.
33. Sperber, J. 2019. Utilizing cloning technology to improve beef carcass value. University of Saskatchewan, Saskatoon, SK
34. Sperber, J. 2018. WTAMU PrimeOne Cloning Project. West Texas A&M University, Canyon, TX
35. Sperber, J. 2016. MacEwan University Alumni Address, Fall Convocation. Edmonton, AB.

### Extension Publications

1. **Sperber, J. L.** 2024. Cashing in on your calf crop: Adding value at the auction block. *BeefWatch* Nebraska Extension, *Beef Magazine*, and *Feedlot Magazine*.
2. **Sperber, J. L.** 2024. Heifer Harmony: Optimal Management for Heifers in the Feedlot. *BeefWatch* Nebraska Extension and *Protein Producers Magazine*.
3. **Sperber, J. L.** 2024. Maximizing Beef Potential: Exploring the Benefits and Challenges of Beef x Dairy. *Nebraska Cattlemen Magazine*.
4. **Sperber, J. L.** 2023. Calf Run: Best feedlot practices for new arrivals. Published in *Drovers* and the *Bovine Veterinarian*.
5. **Sperber, J. L.** 2023. Welcome to the Feedlot: Best practices for managing newly received feeder calves. *BeefWatch* Nebraska Extension.
6. **Sperber, J. L.** 2023. Will the cattle implant labeling changes impact feedlot performance? *Feedlot Magazine*.
7. **Sperber, J. L.** 2023. Will the proposed cattle implant labeling changes impact feedlot performance? *BeefWatch*.
8. **Sperber, J., A. Watson, G. Erickson.** March 2023. Is beef production a climate problem or climate solution? *Nebraska Cattlemen Magazine*. Volume 79, issue 3.
9. **Sperber, J. L.** 2021. Dietary strategies to reduce nitrogen and phosphorus excretion in feedlot cattle. *UNL Water*.
10. **Sperber, J., B. Troyer, L. McPhillips, A. Watson, and G. Erickson.** 2020. Impact of biochar supplementation in growing diets on greenhouse gas emissions. *2021 Nebraska Beef Report*.
11. **Sperber, J., T. Spore, G. Erickson, and A. Watson.** 2020. Evaluation of biochar on nutrient loss from fresh cattle manure. *2021 Nebraska Beef Report*.

### Proceedings

1. **Sperber, J. L.** 2024. Exploring the evolution of beef carcass composition: The influence of technology on quality and yield. Academy of Veterinary Consultants, Omaha, NE
2. **Sperber, J. L.** 2024. Changing the Conversation – Evaluating Feedyard Closeouts and the Beef System on a Carcass Basis. *J. Anim. Sci.*

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### TEACHING

**ASCI 820 Beef Feedlot Management** - 3 Credit, Graduate Level Course

Co-instructor (50 %). Assist students in developing critical thinking skills to apply in feedlot nutrition and management.

**ASCI 457 Beef Feedlot Management** - 3 Credit, Undergraduate Level Course

Instructor on record (100 %). Assist students in developing critical thinking skills to apply in feedlot nutrition and management. Offered every Fall semester. In first year of teaching, successfully achieved ACE 10 certification for the class and increased the Credit amount from 2 to 3.

#### **ASCI 490A Feedlot Internship Program - 1 Credit Summer, 1 Credit Fall**

Co-instructor (50 %). Assist students recently graduated from an undergraduate degree in Animal Science or related field to develop critical thinking skills to apply in feedlot nutrition and management and teach them strategies to be successful in middle and upper management.

#### **Guest Lecturer**

1. ASCI 282 – Beef Industry Scholars – Issues
2. ASCI 181 - Freshmen Beef Scholars (Annual involvement)

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## **RESEARCH & SCIENTIFIC CONTRIBUTION**

### **Student Success Contributions**

#### **American Society of Animal Science**

2024 Judge for Ph.D. poster presentation competition.

#### **Midwest American Society of Animal Science**

2023 Judge for Ph.D. oral presentation competition.

#### **Calgary Stampede International Youth Livestock Scholarship Committee – Calgary, AB**

2022 Scholarship interview judge and steer show clerk.

#### **Canadian Cattle Young Leaders Steering Committee – Calgary, AB**

2020 Member of the selections and judging committee for CYL

### **Graduate Student Committees**

<b>Student</b>	<b>Degree</b>	<b>Major</b>	<b>Advisor</b>
1. Carsten Loseke	M.S./F2026	Ruminant Nutrition	J. Sperber & G. Erickson
2. Anna Kobza	PhD./S2026	Ruminant Nutrition	G. Erickson
3. Sofia S. Lorences	PhD./S2026	Ruminant Nutrition	G. Erickson
4. Paige Madison	M.S./S2025	Ruminant Nutrition	G. Erickson
5. Emily Hoefling	M.S./S2025	Ruminant Nutrition	J. MacDonald
6. Jack Fort	M.S./F2025	Ruminant Nutrition	G. Erickson

**Academic Reviewer** for *Applied Animal Science*, *Journal of Animal Science*, *Journal of Translational Animal Science*, *University of Nebraska NebGuide*, *Journal of Thermal Biology*

### **Scientific Publications**

1. Burhoop, J. E., **J. L. Sperber**, C. J. Bittner, F. H. Hilscher, J. C. MacDonald, and G. E. Erickson. 2024. Impact of partial oil removal on energy content of distillers grains plus solubles for finishing cattle. *Animals*. doi:10.3390/ani14162329
2. Colin, R. L., **J. L. Sperber**, K. K. Buse, P. J. Kononoff, A. K. Watson, and G. E. Erickson. 2024. Effect of an algae feed additive on reducing enteric methane emissions from cattle. *J. Transl. Anim. Sci.* doi: 10.1093/tas/txae109
3. **Sperber, J. L.**, R. G. Bondurant, G. E. Erickson, K. Bruns, R. N. Funston, and J. C. MacDonald. 2024. Effect of extended days on feed on carcass gain, efficiency, and quality of beef steers. *J. Transl. Anim. Sci.* doi:10.1093/tas/txae081
4. **Sperber, J. L.**, E. A. Schumacher, D. J. Jordon, R. J. Cooper, T. L. Scott, S. Bundy, D. B. Burken, G. Sides, R. M. Cleale, and G. E. Erickson. 2024. Comparison of a single extended-release implant and a re-implant strategy on performance and carcass characteristics of beef finishing heifers. *Applied Anim. Sci.* Accepted June 2024.
5. **Sperber, J. L.** and T. E. Lawrence. 2023. "Carcass Cloning". *Encyclopedia of Meat Science*.



6. **Sperber, J. L.**, D. G. Lust, G. O. Veneklasen, D. E. Hawkins, T. J. McEvers, and T. E. Lawrence. 2023. Live and carcass production traits for progeny of purebred sires in comparison with the clone of a USDA Prime Yield Grade One carcass. *J. Transl. Anim. Sci.* doi:10.1093/tas/txad041
7. **Sperber, J. L.**, B. C. Troyer, G. E. Erickson, and A. K. Watson. 2022. Evaluation of the effects of pine-sourced biochar on cattle performance and methane and carbon dioxide production from growing and finishing steers. *J. Transl. Anim. Sci.* 6: 1-7. doi:10.1093/tas/txac152
8. **Sperber, J. L.**, G. E. Erickson, and A. K. Watson. 2022. Evaluation of the effects of wood-sourced biochar as a feedlot pen surface amendment on manure nutrient capture. *J. Transl. Anim. Sci.* 6: 1-10. doi:10.1093/tas/txac127
9. **Sperber, J. L.** 2021. Impact of wood-sourced biochar on carbon and nitrogen capture in beef feedlot systems. PhD Diss. University of Nebraska, Lincoln.
10. Herrick, R. T., T. P. Jones, **J. L. Sperber**, J. T. Richeson, T. R. Brown, and T. E. Lawrence. 2020. Assessment of changes in complete blood count and serum chemistry in fed Holstein steers with or without liver abscesses. *Applied Anim. Sci.* 36:256-264.

## Abstracts

1. Heil, H. A., B. Troyer, L. J. McPhillips, **J. L. Sperber**, A. K. Watson, and G. E. Erickson. Effects of biochar in finishing beef cattle diets on greenhouse gas emissions. *J. Anim. Sci.* May 2022. Abstract. doi:10.1093/jas/skac064.164
2. **Sperber, J. L.**, B. C. Troyer, M. M. Norman, L. J. McPhillips, G. E. Erickson, and A. K. Watson. 2021. Effect of biochar supplementation in beef cattle finishing diets on greenhouse gas emissions and carcass performance. *J. Anim. Sci.* March 2021. Abstract.
3. **Sperber, J. L.**, B. C. Troyer, M. M. Norman, L. J. McPhillips, G. E. Erickson, and A. K. Watson. 2021. Effect of biochar supplementation in beef cattle growing diets on greenhouse gas emissions. *J. Anim. Sci.* March 2021. Abstract.
4. Lust, D., T. Lawrence, and **J. Sperber**. 2019. Use of cloning in beef production – the WTAMU PrimeOne Project. *J. Anim. Sci.* July 2019. Abstract.
5. **Sperber, J.**, M. Garrison, D. Lust and T. Lawrence. 2019. Projecting live cattle slaughter value based on Performance Cattle Company’s Cattle Classification and Sorting System. Plains Nutrition Council. April 2019. Abstract.
6. Donoso A. S., T. M. Horton, B. A. Foraker, **J. L. Sperber**. 2019. Sensory and tenderness evaluation of a new brand of grass-fed beef strip loins. Texas Tech Univ.
7. Herrick, R., T. Jones, **J. Sperber**, J. Richeson, T. Brown, and T. Lawrence. 2018. Assessment of blood metabolites in fed Holstein steers with and without liver abscesses. *J. Anim. Sci.* July 2018. Abstract.
8. **Sperber, J.**, D. Lust, D. Hawkins, T. McEvers, and T. Lawrence. 2018. Live and carcass production traits for progeny of purebred sires in comparison with progeny of a Prime Yield Grade one carcass clone. *J. Anim. Sci.* July 2018. Abstract.

## Grants & Funding

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|-------------|--|
| <b>2024</b> | <b>Nebraska Corn Board.</b> Impact of frequency of variation in distillers in feedlot diets on performance. G. Erickson (PI), J. MacDonald, <b>J. Sperber</b> . <b>\$73,693</b>  |
| <b>2023</b> | <b>USDA National Institute of Food and Agriculture.</b> Understanding host, microbial, environmental, and management factors towards methane mitigation in ruminants. P. Kononoff (PI), B. Neville, S. Fernando, T. Brown-Brandl, G. Erickson, J. Wells, M. Spangler, <b>J. Sperber</b> , R. Stowell, R. Rasby. <b>\$5,000,000</b> |
| <b>2023</b> | <b>Iowa Beef Council.</b> The impact of housing system on feedlot performance, carcass outcomes, and nutrient management. G. Erickson (PI), <b>J. Sperber</b> , J. MacDonald. <b>\$76,549</b>  |

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## BEEF INDUSTRY LEADERSHIP/ENGAGEMENT

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|------------------|---|
| <b>2020-2021</b> | <b>Canadian Cattle Youth Council, Vice President</b><br>Young leader representative on CCA Foreign Trade committee and head of promotions |
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- 2020** **Plains Nutrition Council Feedlot Bootcamp – Canyon, TX**  
Intensive 5-day course designed for professional students in the field of feedlot nutrition
- 2019-2020** **Canadian Cattle Youth Council, 2-Yr Member at Large Position**  
Subsidiary of the Canadian Cattlemen’s Association. YCC is composed of beef enthusiasts aged 18-35, who are passionate about leadership in the industry in terms of policy and acting as a conduit between industry and young producers
- 2019** **International Agriculture & Agri-Food Committee – Calgary Stampede**  
Served as an ad-hoc committee volunteer in the International Ag room and UFA cattle alley
- 2018** **International Livestock Congress Houston Stockshow - Student Fellow, Houston, TX**  
Chosen as 1 of 12 International student fellows to participate in a conference focused on red meat and the obstacles in International trade that the beef industry faces
- 2016** **Canadian Cattle Association Cattlemen’s Young Leader**  
One-year mentorship with a leader in the beef industry, participating in industry and government levels discussions, outreach for environmental sustainability, agriculture, and international trade
- 2016** **Royal Agricultural Winter Fair, Beef Farmers of Ontario- Affiliate, Toronto, ON**  
Presented agriculture education to the urban public
- 2014** **International Ag Business Centre- Affiliate, Edmonton, AB**  
Hosted International Beef Industry members in the IABC room at Farmfair International. Engaging in industry related discussions and an acting tour guide for genetics purchasers
- 2014-2016** **MacEwan University Faculty of Arts and Science Council- Student Representative**

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## **VOLUNTEER**

- 2024** **Official Committee Member – Nebraska Cattlemen’s Classic Collegiate Livestock Judging Contest, Kearney, NE**
- 2023** **Official Committee Member – AKSARBEN Collegiate Livestock Judging Contest, Kearney, NE**
- 2022** **Market Steer Judge Lacombe District 4-H Show, AB**
- 2022** **Crestomere 4-H Multi-Club Public Speaking Judge – Ponoka, AB**
- 2019** **High School BBQ Competition – Volunteer Coordinator, Lubbock, TX**  
Hosted the inaugural High School BBQ competition at Texas Tech University
- 2017-2018** **West Texas A&M University Little International Showmanship Clinic- Canyon, TX**  
Instructed a three-day showmanship clinic to university freshmen
- 2018** **Randall County 4-H Club – Canyon, TX**  
Acted as a mock interviewer for 4-H members in preparation for their upcoming beef skill-a-thon
- 2017-2018** **West Texas A&M University FFA Meats Judging Competition – Canyon, TX**  
Group leader for High School Juniors and Seniors
- 2017** **Texas Cattle Feeder’s Association Feedyard Camp - Canyon, TX**  
Assisted in putting on a clinic for High School Juniors and Seniors
- 2014- 2017** **Summer Synergy Youth Livestock Show- Olds, AB**  
Judge, marshall, mentor, and ring-assist
- 2013- 2017** **Classroom Agriculture Program**  
Taught Grade 4 students in urban and rural Alberta schools the importance of agriculture
- 2012-2015** **Hope Mission Homeless Shelter – Edmonton, AB**  
Prepare and serve meals to the less fortunate
- 2012-2015** **Student Ambassador, MacEwan University – Edmonton, AB**  
Lead tours for prospective students, emceed University functions, volunteered at community events (required 40 h volunteer service per semester).
- 2014** **City of Edmonton Santa’s Anonymous Food Drive**



- 2013-2014**      **Habitat for Humanity- *Edmonton, AB Chapter***  
Built affordable housing for the less fortunate
- 2003-Present**      **West Ponoka 4-H Beef Club – *Ponoka, AB***  
Held elected volunteer positions, including President, VP, Treasurer. Active alumni, helping to organize and run the 4-H Show and Sale, assisting members with 4-H projects, public speaking workshops and competitions, highway cleanup, and various other events

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## **AWARDS & HONORS**

- 2021**      **Ned S. and Esther B. Raun International Graduate Fellowship** - University of Nebraska
- 2021**      **Midwest ASAS PhD Oral Presentation Competition – Second Place**
- 2020**      **Dr. Karl C. Ivarson Agricultural Scholarship – Canadian Foundation for Food and Agricultural Education**
- 2020**      **Dr. Allan A. Dixon Memorial Scholarship – Friends of Canadian Simmental Foundation**
- 2020**      **Arthaud Graduate Student Oral Presentation Competition Winner – University of Nebraska**
- 2020**      **Keith Gilmore Prize for Beef Cattle Innovation – Keith Gilmore Foundation**
- 2019**      **W.D. Farr Award – National Cattlemen’s Foundation**
- 2019**      **Roy Family Scholarship – 4-H Canada**
- 2016-2019**      **West Central 4-H Region Scholarship – 4-H Canada**
- 2018**      **Paul Engler Endowment – West Texas A&M University**
- 2018**      **Alberta Beef Producers Scholarship**
- 2018, 2017**      **Texas Cattle Feeders Association Scholarship - TCFA Education Foundation**
- 2018**      **S.L. and Mildred Garrison Scholarship – 4-H Canada**
- 2018**      **Good Neighbor Scholarship**
- 2018**      **Intl. Stockmen’s Educational Foundation Scholarship Fellow – Intl. Livestock Congress**
- 2017**      **Friends of the Canadian Simmental Foundation Scholarship**
- 2016**      **MacEwan University Bachelor of Science First Class Standing**
- 2016**      **Elmer and Ona Hansen Memorial Fund Leadership Scholarship**
- 2016**      **ERBS MacEwan Student’s Association Volunteer Award**
- 2014-2016**      **MacEwan University Board of Governors’ Scholarship**
- 2012-2016**      **Dr. Gary MacPherson Leadership Award – Government of Alberta**
- 2016**      **Vermillion Little Royal Collegiate Livestock Judging Competition- Grand Champion Judge**
- 2015**      **Canadian Charolais Association Scholarship**
- 2015, 2014**      **Government of Alberta Laurence Decore Award for Student Leadership**
- 2012-2015**      **Enbridge Environmental Sustainability Leadership Award**
- 2013**      **“Ag for Life” Agriculture Ambassador**
- 2013**      **Summer Synergy Grand Champion Livestock Judge**
- 2010-2013**      **Calgary Stampede International Youth Livestock Scholarship**
- 2012**      **Norma Jean Gray Environmental Sustainability Award**
- 2012**      **Encana Leaders of Tomorrow Award**

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## PROFESSIONAL MEMBERSHIPS/CERTIFICATIONS

2023-Present	Masters of Beef Advocacy, National Cattlemen's Beef Association
2022-2023	Animal Nutrition Association of Canada
2020-Present	American Registry of Professional Animal Scientists
2019-Present	Beef Quality Assurance Certified
2019-Present	IACUC Animal Handling Certified
2017-2021	American Meat Science Association
2017-Present	American Society of Animal Science
2016-Present	Canadian Cattle Youth Council

### Professional Development Training

- Culture Index, 2024
- 7 Habits of Highly Effective People, Franklin-Covey, 2022