

## KIMBERLY STACKHOUSE-LAWSON, PH.D.

Director of Sustainability  
JBS USA



### EDUCATION

Ph.D.	University of California, Davis	<i>Animal Biology</i>	September, 2011
M.S.	University of California, Davis	<i>Animal Science</i>	June, 2008
B.S.	University of California, Davis	<i>Anim. Sci. &amp; Mgt.</i>	June, 2006

### EMPLOYMENT

#### **Director of Sustainability, JBS USA** (May, 2016 – present)

Responsible for implementing the JBS USA sustainability program, inclusive of the company's beef, pork, poultry, case ready, transportation and branded products business across North America, Europe, Australia and New Zealand. This includes coordinating the company's internal sustainability program to leverage best practices and reduce environmental and social impacts, public reporting initiatives and representing the company in multi-stakeholder efforts to advance sustainability along agricultural value chains.

**Executive Director of Global Sustainability, National Cattlemen's Beef Association** (September, 2011 - 2016) Implemented the beef industry's strategic approach to sustainability including managing the beef checkoff sustainability research program, serving as an industry spokesperson, liaison to the Global Roundtable for Sustainable Beef, executive director of the US Roundtable for Sustainable Beef, and collaborating closely with communications professionals to promote beef's image and defend beef's freedom to operate to enhance consumer, influencer and stakeholder trust in beef.

**Postdoctoral Fellow, Beef Cattle Institute College of Veterinary Medicine, Kansas State University** (November, 2011 - February, 2012) Guided the development of hypotheses, implementation of proper experimental design and active research of DVM graduate students. Responsible for grant writing and managing the review of internal publications to prepare for submission to journals and graduation for students. Worked collaboratively with the Department of Animal and Meat Science to develop innovative solutions in beef cattle health and sustainability.

### CAREER OBJECTIVE and PROFESSIONAL EXPERIENCE

My primary career objective is to expand the role of animal protein in global diets by balancing all three pillars of sustainability, empowering the animal protein industries to achieve on-the-ground progress that improves the business climate, optimizes efficiency and positions the industry to engage with producer, influencer, stakeholder and retail audiences to change the perception of animal protein sustainability.

My professional experience includes:

- Implemented a corporate sustainability program for the second largest food company and the largest animal protein company in world, inclusive of benchmarking, goal setting, capital funds prioritization, public reporting, stakeholder engagement, supply chain alignment, and customer and stakeholder outreach
- Gained internal alignment and support from more than 500 global JBS team members with expertise in operations, environmental compliance, team-member health and safety, community outreach, human resources, animal welfare, quality assurance, and investor relations
- Implemented an industry sustainability program that included the largest sustainability research program in the United States
- Developed and led the largest sustainability multi-stakeholder initiative in the world inclusive of producer, allied industry, civil society, processor and retail members
- Developed, owned and maintained relationships with producers, stakeholders (including bloggers, health professionals, non-governmental organizations (NGOs), investors and international agendas), and retail and food service partners to work toward continuous improvement in sustainability
- Developed and coordinated outreach of sustainability education programs, tools, and best management practices with cross-functional teams for cow-calf producers, feedyards, swine production units, poultry supply chain partners, processing facilities and retailers

- Held position of Chair of the U.S. Roundtable for Sustainable Beef (USRSB)
- Board of Director positions on the Global Roundtable for Sustainable Beef, USRSB and U.S. Roundtable for Sustainable Poultry and Egg
- Advisory Committee Member for the Dean of the University of California, Davis College of Agriculture and Environmental Sciences
- Company and industry spokesperson, including speaking engagements and stakeholder, customer and media contact
- Created governance, policy and procedures, board of directors, committee chairs and dues structure of the world's largest multi-stakeholder sustainability initiative and coordinated the successful launch of more than 65 founding members, inclusive of the entire beef supply chain and NGO's
- Published more than 40 non peer reviewed publications for use in magazines, educational pamphlets and stakeholder engagement pieces
- Completed JBS Summit Leadership Program (one month of in-depth leadership training available to 25 high-performers within the Company annually)
- Developed animal health and welfare scorecard to track Company progress
- Technical expert for retail and food service partners regarding animal agriculture production
- Company representative in Secure Beef Supply meetings working on infectious disease plans
- Assistant coach of collegiate livestock judging teams
- Teaching assistant (including lead teaching assistant roles) in lower and upper level animal science, reproduction, genetics and linear programming classes

## SCIENTIFIC PUBLICATIONS

1. Asem-Hiablé, S., T. Battagliese, **K.R Stackhouse-Lawson**, C.A. Rotz. 2019. A life cycle assessment of the environmental impacts of a beef system in the USA. *International Journal of Life Cycle Assessment* 24(3):441-445.
2. Rotz, C.A., S. Asem-Hiablé, R. Stout, **K Stackhouse-Lawson**. 2016. Management characteristics of cow-calf, stocker, and finishing operations in the Northern Great Plains and Midwest Regions of the United States. *The Professional Animal Scientist* 32(6):736-749.
3. Meiman, P.J., D. Tolleson, T. Johnson, A. Echols, F. Price, **K. Stackhouse-Lawson**. 2016. Usable Science for Managing Animals and Rangeland Sustainability. *Rangelands*. 38(2):79-84.
4. Asem-Hiablé, S., C.A. Rotz, R. Stout, **K Stackhouse-Lawson**. 2015. Management characteristics of cow-calf, stocker, and finishing operations in Kansas, Oklahoma, and Texas. *The Professional Animal Scientist* 31(1):1-10.
5. **Stackhouse-Lawson, K.R.**, M.S. Calvo, C. Tucker, F.M. Mitloehner. 2014. Effects of zilpaterol hydrochloride on the lying and aggressive behavior in feedlot cattle. *App. Anim. Behav. Sci.* 162: 1-8.
6. Battagliese, T., J. Andrade, I. Schulze, B. Uhlman, **K. Stackhouse-Lawson**, J.O. Reagan, C. A. Rotz. 2013. Submission for NSF verification of eco-efficiency analysis under NSF protocol P352, Part B. Certified.
7. **Stackhouse-Lawson, K.R.**, Y. Pan, Y. Zhao, T. Armitage, M.S. Calvo, S. E. Place, F.M. Mitloehner. 2013. Effects of biotechnology on greenhouse gases, volatile organic compounds, and ammonia from feedlot cattle. *J. Anim. Sci.* 91:5438-5447.
8. Rotz, C.A., B. J. Isenberg, **K. R. Stackhouse-Lawson**, and E. J. Pollak. 2013. Environmental footprints of beef produced at the US Meat Animal Research Center. *J. Anim. Sci.* 91:5427-37.
9. **Stackhouse, K.R.**, C.A. Rotz, J.W. Oltjen, F.M. Mitloehner. 2012. Carbon footprint and ammonia emissions of California beef production systems. *J. Anim. Sci.* 90:4641-55.
10. **Stackhouse, K.R.**, C.A. Rotz, J.W. Oltjen, F.M. Mitloehner. 2012. Growth promoting technology reduces the carbon footprint, ammonia emission, and costs of California beef production systems. *J. Anim. Sci.* 90:4656-65.
11. McGarvey, J.A., **K.R. Stackhouse**, W.G. Miller, L.H. Stanker, R. Hnasko, F.Mitloehner. 2011. The effects of sodium bisulfate on the bacterial population structure of dairy cow waste. *J. App. Micro.* 111:319-328.
12. **Stackhouse, K.R.**, S.E. Place, M.S. Calvo, Q. Wang, and F. M. Mitloehner. 2011. Greenhouse gas emission sources from US beef and dairy production systems. In: *Understanding Greenhouse Gases from Livestock*, 407-417. Editor: Lei Guo. American Chemical Society.

13. Place S.E., **K.R. Stackhouse**, M. Calvo, Q. Wang, and F.M. Mitloehner. 2011. Mitigation of greenhouse gas emissions from US beef and dairy production systems. In: Understanding Greenhouse Gases from Livestock, 443-457. Editor: Lei Guo. American Chemical Society.
14. **Stackhouse K.R.**, Y. Pan, Y. Zhao, and F.M. Mitloehner. 2011. Greenhouse gas and alcohol emissions from feedlot steers and calves. J. Environ. Qual. 40:8999-906.
15. Howard, C.J., A. Kumar, F.M. Mitloehner, **K. Stackhouse**, R.G. Flocchini, and M.J. Kleeman. 2010. Direct measurements of ozone formation potential from livestock and poultry waste emissions. Environ. Sci. Technol. 44(7): 2292-2298.
16. Pitesky, M., **K. Stackhouse**, and F.M. Mitloehner. 2009. Clearing the air: livestock's contribution to climate change. Adv. Agron. 103:1-40.

## **PROJECT MANAGEMENT EXPERIENCE**

1. Implemented JBS USA and Pilgrim's sustainability program inclusive of benchmark data, strategy development, goal setting (2020 and 2025), progress to goal updates and supply chain alignment across operations, environmental compliance, team member health and safety, community outreach, human resources, animal welfare, and quality assurance.
2. Led content development, design layout and communication launch strategy for the 2019, 2018, and 2017 [JBS USA Sustainability Report](#) and the 2019, 2018, 2017 and 2016 [Pilgrim's Sustainability Report](#)
3. Developed and led an in-plant communication campaign for sustainability in beef, pork and chicken processing facilities, expected to reach more than 100,000 team members in more than 100 facilities
4. Developed JBS USA beef producer engagement and outreach program, inclusive of BQA compliance targets and third-party audit goals
5. Coordinated Colorado State University Animal Welfare Research in JBS USA beef facility
6. Coordinated strategic external stakeholder partnerships to JBS USA for environment and animal welfare
7. Led multiple strategic planning sessions for industry beef sustainability program, inclusive of perspectives from the supply chain, academic institutions and NGO's
8. Developed and coordinated the first-ever sustainability assessment of the U.S. beef value chain
9. Led project on the life cycle assessment of food loss associated with current US consumption compared to the recommended USDA food pattern
10. Led development of a working Prototype: BeefTracker, GIS systems tool
11. Quantified the Life Cycle Environmental Impact of Beef Production
12. Quantified ecosystems goods and services through life cycle assessment

## **SPEAKING and OUTREACH EXPERIENCE**

*Invited to give more than 130 presentations on beef sustainability to producers, academics, students, influencers, government, media, retail/food service, and non-governmental organizations. A selection of presentations is listed below:*

- Food and Culinary Dietetic Practice Group, Napa, CA
- University of Nevada Dietetic Association Meeting, Las Vegas, NV
- Beef Improvement Federation, Biloxi, MS
- Agribenchmark Global Symposium, Valledupar, Colombia
- American Veterinary Consultant Meeting, Denver, CO
- Ecological Science Association, Baltimore, MA
- Food Marketing Institute Sustainability Meeting, Denver, CO
- Midwestern Food and Agribusiness Executive Seminar, Lafayette, IL
- Canadian Roundtable for Sustainable Beef Annual General Meeting, Saskatoon, Canada
- Texas Society for Range Management Meeting, Wichita Falls, TX
- National Grazing Lands Coalition Meeting, Dallas, TX
- Beef industry Food Safety Council, Dallas, TX
- Sustainable Ag Innovation Forum, Washington D.C.
- Sustainable Agriculture Summit, Denver, CO
- Global Roundtable for Sustainable Beef Conference, Kilkenny, Ireland

- University of Nebraska, Lincoln, NE
- Iowa Select Annual Production Meeting, Ames, IA
- NCBA Sustainability Engagement Forum, Denver, CO
- International Production and Processing Expo (IPPE), Atlanta, GA
- U.S. Roundtable for Sustainable Beef, Fresno, CA
- Women in Agribusiness, Minneapolis, MN
- PEPSICO Sustainability Forum, Mexico City, Mexico
- JBS USA National Sales Meeting, Denver, CO
- Colorado State University, Fort Collins, CO
- Academy of Veterinary Consultants, Des Moines, IA

**HONORS and AWARDS**

- *2018 Distinguished Young Alumni, College of Agriculture and Environmental Science, U.C. Davis*
- *2013 UC Davis alumni spotlight in Agriculture and Environmental Science Outlook Magazine*
- *2009 Outstanding Graduate Student Teaching Award – Chancellor Vanderhoeff, UC Davis*
- *2006 Outstanding Senior Award, Office of the Vice Chancellor - Student Affairs*

[Redacted text block]

[Redacted text block]

[Redacted text block]