

Dr. Dannele E. Peck

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PROFILE

- **Team leader** with 19 years of experience mentoring and supervising staff and students.
- **Program manager** with 9 years of experience guiding a federal outreach program that fostered collaborations with dozens of partner organizations (2016-2025) and leading a large team of Extension professionals who serve communities across Wyoming (2025-present).
- **PhD in Agricultural Economics** with 19 years of experience conducting quantitative risk modeling and economic analysis of animal health, natural resource, and agricultural issues.
- **Multidisciplinary training** in social sciences (agricultural economics) and biological sciences (animal health, water resources, wetlands), which enables me to communicate and collaborate with partners from diverse backgrounds and sectors to co-develop and deliver innovative solutions.
- **Strong communication skills** honed through 10 years of university teaching (2006-2016) and 9 years of extensive public outreach and coalition-building (2016-present), resulting in over 50 peer-reviewed publications, more than 30 successful grants and agreements, and 6 years serving as an Associate Editor.

DEGREES

Ph.D. Agricultural and Resource Economics, Oregon State University

Dissertation: Economics of drought preparedness and response in irrigated agriculture

M.S. Agricultural and Applied Economics, University of Wyoming

Minor: Environment & Natural Resources

Thesis: Opportunity costs of short-term water leasing in the Laramie Basin, Wyoming

B.S. Wildlife Biology and Management, University of Wyoming

Minor: Economics

Honors Thesis: Laramie Basin flood irrigation & wetlands

PROFESSIONAL EXPERIENCE

Associate Director, University of Wyoming Extension (2025 – present)

Lead and oversee Extension personnel and programs in Agriculture and Natural Resources (ANR) and Community Vitality and Health (CVH); support collaborative educational efforts and interdisciplinary program development and assessment; build effective and supportive relationships with partners to enhance service to Wyoming communities.

Director, Northern Plains Climate Hub, USDA ARS (2016 – 2025)

Manage technical and financial aspects of a six-state outreach program; supervise and lead a team of staff (in-person and remote); develop and implement long-term strategies, annual work plans, agreements, and reports; liaise with clients and partners; serve as a subject matter expert; organize, facilitate, and deliver workshops, webinars and presentations.

Associate/Assistant Professor, Agricultural Economics, University of Wyoming (2007 – 2016)
Design and deliver research, teaching, and outreach programs related to decision-making under risk, simulation and optimization in agricultural and natural resources management; supervise graduate research assistants; teach advanced courses in environmental risk analysis (simulation and probabilistic risk modeling), rangeland economics (benefit-cost analysis, project analysis, valuation), and production economics (mathematical optimization).

SERVICE & AWARDS (select examples)

Recipient, USDA ARS CARR Group Achievement Award, for organizing and hosting an outstanding community outreach event for STEAD school students (January 2024)

Recipient, USDA ARS CARR Achievement Award, for facilitating stakeholder meetings of the Collaborative Adaptive Rangeland Management stakeholder group during FY23 (2022-23)

Associate Editor, Water Resources Research (2016-2018) and Journal of Natural Resources Policy Research (2011-2015); organized reviews and technical editing for 52 manuscripts

Recipient, Undergraduate Teaching Award (for less than 10 years of experience), Western Agricultural Economics Association (2014)

Recipient, Best Article, Australian Agricultural & Resource Economics Society (2010) for “Farm-level impacts of prolonged drought: is a multiyear event more than the sum of its parts?” *Australian Journal of Agricultural and Resource Economics* 54:43-60

PUBLICATIONS (select examples from 58 peer-reviewed and 19 outreach [publications](#))

Willis, K., K. Hansen, **D. Peck**, S. Miller, V. Sharma. 2025. Farm-level impacts of alternative groundwater management scenarios over the High Plains Aquifer in Wyoming. *Agricultural Water Management* 320: 109879. <https://doi.org/10.1016/j.agwat.2025.109879>

Maloney, M., J.A. Merkle, D. Aadland, **D. Peck**, R.D. Horan, K.L. Monteith, T. Winslow, J. Logan, D.C. Finnoff, C. Sims, B.A. Schumaker. 2020. Chronic wasting disease undermines efforts to control the spread of brucellosis in the Greater Yellowstone Ecosystem. *Ecological Applications* 30(6): e02129. doi.org/10.1002/eap.2129

Peck, D.E., W.K. Reeves, A. Pelzel-McCluskey, J.D. Derner, B. Drolet, L. Cohnstaedt, D. Swanson, S. McVey, L. Rodriguez, D. Peters. 2020. Management strategies for reducing equine risk of contracting VSV in the western United States. *Journal of Equine Veterinary Science* 90: 103026. doi.org/10.1016/j.jevs.2020.103026

Peck, D., J. Derner, W. Parton, M. Hartman, B. Fuchs. 2019. Flexible stocking with Grass-Cast: A new grassland productivity forecast to translate climate outlooks for ranchers. *Western Economics Forum* 17(1):24-39. waeonline.org/forum_archives/2019/volume-17-issue-1/

Roberts, T.W., **D.E. Peck**, J.P. Ritten. 2012. Cattle producers’ economic incentives for preventing bovine brucellosis under uncertainty. *Preventive Veterinary Medicine* 107(3-4):187-203. Available at: doi.org/10.1016/j.prevetmed.2012.06.008.

Peck, D.E. and J.R. Lovvorn. 2001. The importance of flood irrigation in water supply to wetlands in the Laramie Basin, Wyoming. *Wetlands* 21(3):370-378. [doi.org/10.1672/0277-5212\(2001\)021\[0370:TIOFII\]2.0.CO;2](https://doi.org/10.1672/0277-5212(2001)021[0370:TIOFII]2.0.CO;2).