

Brian A. Mealor

Director – Sheridan Research and Extension Center and the Institute for Managing Annual Grasses Invading Natural Ecosystems; Associate Professor – Department of Plant Sciences
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ACADEMIC TRAINING

<i>Degree</i>	<i>Year</i>	<i>Institution</i>	<i>Major</i>
Ph.D.	2006	University of Wyoming	Rangeland Ecology & Watershed Mgt.
M.S.	2003	University of Wyoming	Rangeland Ecology & Watershed Mgt.
B.S.	1999	N. Georgia College & State Univ.	Biology

PROFESSIONAL EXPERIENCE

<i>Date</i>	<i>Position</i>	<i>Institution</i>
5/15-present	Director Sheridan R&E Center Associate Professor	University of Wyoming
11/20-present	Director, Institute for Managing Annual Grasses Invading Natural Ecosystems	University of Wyoming
3/18-8/19	Transitional Leadership Team, College of Ag and Nat. Resources	University of Wyoming
11/09-5/15	Assistant Prof. / Weed Specialist	University of Wyoming
1/07-9/09	Director of Stewardship	The Nature Conservancy
8/06-1/07	Post-doctoral Research Scientist	University of Wyoming
7/04-12-04	Visiting Research Assistant	USDA-ARS Forage and Range Lab

HONORS and AWARDS

Outstanding Rangeland Professional Award. Wyoming Stock Growers Association. 2019.
University of Wyoming Agricultural Experiment Station Reflections Magazine 'Best Article Award' 2017.
Wyoming Weed and Pest Council. Harold Alley Award for Outstanding Service. 2015.
Western Society of Weed Science. Outstanding Weed Scientist – Early Career. 2015.
UW CANR Outstanding Advisor Nominee. 2013.
Society for Range Management Outstanding Young Range Professional. 2013.
UW CANR Outstanding Advisor. 2012.
DuPont Young Professors Nominee. 2012.
Lawrence Meeboer Outstanding Classroom Teacher Nominee. 2010.
Certificate of Appreciation for Outstanding Support. 2010. University of Wyoming Range Club.
University of Wyoming Graduate School; 2006 Outstanding Doctoral Dissertation.
Society for Range Management; 2006 2nd Place PhD Research Poster.
University of Wyoming Range Club; 2005 Outstanding Graduate Student.
University of Wyoming Graduate School Graduate Student Symposium. 2006 Best Paper Presentation
University of Wyoming Graduate School Graduate Student Symposium. 2004 Best Paper Presentation

Plummer Scholarship for Environment and Natural Resources Conservation and Management.
2004.

Wyoming Section SRM. 2002-2003 Range Graduate Student Scholarship.

Gamma Sigma Delta, University of Wyoming Chapter. 2002-2003 Outstanding M.S. Student.

North Georgia College and State University. 1999 Best Research Paper in Biology.

TEACHING CONTRIBUTIONS

Topics: Plant Population Ecology (PLNT 5790, 3 credits), Spring 2020.

Principles of Range Management (REWM 2000, 3 credits), Fall 2019 *for Sheridan College*.

Topics: Collaborative Rangeland Planning (PLNT 5790, 3 credits), Fall 2017-19. Cooperative field-based course with Sheridan College, Yale, and Texas A&M University Kingsville.

Problems in Plant Science (PLNT 4975, 3 credits), Multiple Years.

Agroecology Internship (AECL 4930, 1-3 credits), Spring, Summer, Fall 2011-2013. Revised course to include presentations open to all students/faculty

Invasive Plant Ecology (REWM/AECL 4400/5400, 3 credits), Fall 2010-present. Team-taught with Tim Collier, Renewable Resources.

Commercial Pesticide Applicator's Training (PLNT 1150, 1 credit). Spring 2009-13. Invasive Weeds, Factors affecting herbicide uptake, Rights-of-way.

Rangeland Restoration Ecology (REWM 4580/5580, 3 credits), Spring 2007. Modified existing course to include significant online component.

Co-lecturer; Seminar in Invasive Species Ecology (RNEW 5985, 2 credits), Fall 2003. Developed course with co-lecturer from pre-existing course.

Teaching Assistant; Rangeland Resource Management (REWM 5000, 3 credits), Lectures on invasive species, stocking rates, grazing systems, state and transition theory, biological diversity, etc. Fall 2002

Guest Lectures

Assessment, Monitoring, and Prioritization for weed management. Weed Science and Technology PLNT 4070/5050. University of Wyoming. 2021.

Invasive Species in Rangelands. Principles of Range Management. Sheridan College. 2016-2017.

Noxious Weed Management in Rangelands. AGRI 632 Integrated Resource Management, Colorado State University. 2014.

Career Opportunities in Rangeland Ecology and Management. Wild Land Ecology, Southern Utah University. Spring 2012.

Rangeland Reclamation. Introduction to Natural Resources, Southern Utah University. Spring 2012.

Managing Rangeland Vegetation with Herbicides. Rangeland Vegetation Management Techniques (REMW 4330), University of Wyoming. Spring 2012, 2013, 2014.

Invasive Species and Restoration. Rangeland Restoration Ecology (REWM 4580/5580), University of Wyoming. Spring 2012, 2013.

Grazing management and planning for rangeland ecosystems. Nutritional Management (ANSC 4100/5100), University of Wyoming. Fall 2011, Fall 2012.

Grazing and Biodiversity. Range Resource Management (REWM 5000), University of Wyoming. Fall 2005.

Genetic Considerations in Rangeland Restoration, Rangeland Restoration Ecology (REWM 4580/5580), University of Wyoming. Spring 2004.

PUBLICATIONS (*authors in italics are student co-authors*)

Refereed Journal Articles

- Wood, C.W. and B.A. Mealor. 2022. Identifying structural thresholds in annual-grass invade rangelands. *Rangeland Ecology and Management* 83:1-9.
- Hart, M., and Mealor, B. A. 2021. Effects of *Ventenata dubia* removal on rangelands of northeast Wyoming. *Invasive Plant Science and Management* 14:156-163.
- DeStefano A., B. Fowers, and B.A. Mealor. 2021. Comparison of visual estimation and line-point intercept vegetation survey methods on annual grass-invaded rangelands of Wyoming. *Invasive Plant Science and Management* 14:240-252.
- Fowers, B. and B.A. Mealor. 2020. Indaziflam effects on seed production for established perennial grasses. *Native Plants Journal* 21:291-298.
- Monaco, T.A., J.M. Mangold, B.A. Mealor, R.D. Mealor and C.S. Brown. 2017. Downy brome control and impacts on perennial grass abundance: A systematic review spanning 64 years. *Rangeland Ecology and Management* 70:396-404.
- Greet, B.J., B.A. Mealor and A.R. Kniss. 2016. Response of *Delphinium occidentale* and associated vegetation to aminocyclopyrachlor. *Rangeland Ecology and Management* 69: 474-480.
- Hergert, H.J., B.A. Mealor and A.R. Kniss. 2015. Inter- and Intraspecific Variation in Native Restoration Plants for Herbicide Tolerance. *Ecological Restoration* 33:74-81.
- Herget, M.E., K.M. Hufford, D. Mummy, B.A. Mealor and L.N. Shreading. 2015. Effects of competition with *Bromus tectorum* on early establishment of *Poa secunda* accessions: can seed source impact restoration success? *Restoration Ecology* 23:277-283.
- Burnett, S.A. and B.A. Mealor. 2015. Imazapic effects on competition dynamics between native perennial grasses and downy brome (*Bromus tectorum*). *Invasive Plant Science and Management* 8:72-80.
- Mealor, B.A., S. Cox and D.T. Booth. 2012. Post-fire Downy Brome (*Bromus tectorum*) Invasion at High Elevation in Wyoming. *Invasive Plant Science and Management* 5:427-435.
- Sebade, B., A.L. Hild and B.A. Mealor. 2012. Native grasses collected from invasions demonstrate invasion resistance. *Ecological Restoration* 30:209-217.
- Bergum, K., A.L. Hild and B.A. Mealor. 2012. Phenotypic traits of *Sporobolus airoides* from invaded and non-invaded exotic invasions after two generations of greenhouse seed increase. *Restoration Ecology* 20: 227-233.
- Pocewicz, A., J.M. Kiesecker, G.P. Jones, H.E. Copeland, J. Daline and B.A. Mealor. 2010. Effectiveness of conservation easements for reducing development and maintaining biodiversity in sagebrush ecosystems. *Biological Conservation*. 144:567-574.
- Ferrero-Serrano, A.L. Hild and B.A. Mealor. 2009. Can invasive species enhance competitive ability and restoration potential in native grass populations? *Restoration Ecology* 9:545-551.
- Ferrero-Serrano, A., T.R. Collier, A.L. Hild, B.A. Mealor, and T. Smith. 2008. Combined impacts of native grass competition and introduced weevil herbivory on Canada thistle (*Cirsium arvense*). *Rangeland Ecology and Management* 61: 529-534.

- Tyrer, S.J., A.L. Hild, B.A. Mealor and L.C. Munn. 2007. Establishment of native species in soils from Russian knapweed (*Acroptilon repens*) invasions. *Rangeland Ecology and Management* 60: 604-612.
- Kinter, C.L., B.A. Mealor, N.L. Shaw and A.L. Hild. 2007. Post-fire invasion potential of rush skeletonweed (*Chondrilla juncea*). *Rangeland Ecology and Management* 60: 386-394.
- Mealor, B.A. and A.L. Hild. 2007. Post-invasion evolution of native plant populations: a test of biological resilience. *Oikos* 116: 1493-1500.
- Mealor, B.A. and A.L. Hild. 2006. Potential selection in native grasses by exotic invasion. *Molecular Ecology* 15:2291-3000.
- Fererro-Serrano, A., T. Collier, B.A. Mealor, T. Smith, and A.L. Hild. 2006. Interactions between native grass competition and biological control for Canada thistle control. *Ecological Restoration* 24: 201-202.
- Mealor, B. A., A.L. Hild, and N. L. Shaw. 2004. Native plant community composition and genetic diversity associated with long term weed invasions. *Western North American Naturalist* 64:503-513.

Refereed Journal Articles – IN REVIEW

- Hart, M.T., J.P. Ritten, and B.A. Mealor. A ranching economic analysis of ventenata control in northeast Wyoming. Submitted to *Invasive Plant Science and Management*.
- DeStefano, A., B.A. Mealor, L.C. Jones, E. Lehnhoff, J.M. Mangold, T. Prather, C. Ransom, and L.J. Rew. Native perennial grasses, temperature, elevation and soil depth explain invasive annual grass cover at the landscape scale in northwestern US rangelands. Submitted to *Applied Vegetation Science*.
- Baur, M., B.A. Mealor, J. Brugger, D. Fry, D. Erickson, L. Larios, J. James, K. Al-Khatib, J. Davy, L. Forero, M. Rinella, C. Randall, N. Teller, and J. Mangold. Managing Fire-adapted invasive plants in the American West (invited). Submitted to *Outlooks in Pest Management*.
- Custer, G.F., B.A. Mealor, B. Fowers, and L.T.A. van Diepen. Failure to recover *Pseudomonas fluorescens* D7 supports claims of ineffectiveness as biocontrol agent of *Bromus tectorum*. Submitted to *Rangeland Ecology and Management*.

Other Technical Publications

- Mayer, K.E. Compiler. 2018. Wildfire and Invasive Plant Species in the Sagebrush Biome: Challenges that Hinder Current and Future Management and Protection -A Gap Report Update. Western Association of Fish and Wildlife Agencies, Wildfire and Invasive Species Working Group. WAFWA, Boise Idaho. 62 pp.
- Chambers, J.C.; Beck, J.L.; Bradford, J.B.; Bybee, J.; Campbell, S.; Carlson, J.; Christiansen, T.J.; Clause, K.J.; Collins, G.; Crist, M.R.; Dinkins, J.B.; Doherty, K.E.; Edwards, F.; Espinosa, S.; Griffin, K.A.; Griffin, P.; Haas, J.R.; Hanser, S.E.; Havlina, D.W.; Henke, K.F.; Hennig, J.D.; Joyce, L.A.; Kilkenny, F.M.; Kulpa, S.M.; Kurth, L.L.; Maestas, J.D.; Manning, M.; Mayer, K.E.; Mealor, B.A.; McCarthy, C.; Pellant, M.; Perea, M.A.; Prentice, K.L.; Pyke, D.A.; Wiechman, L.A.; Wuenschel, A. 2017. Science framework for conservation and restoration of the

- sagebrush biome: Linking the Department of the Interior's Integrated Rangeland Fire Management Strategy to long-term strategic conservation actions. Part 1. Science basis and applications. Gen. Tech. Rep. RMRS-GTR-360. Fort Collins, CO: U.S Department of Agriculture, Forest Service, Rocky Mountain Research Station. 213 p.
- Pyke, David A.; Chambers, Jeanne C.; Beck, Jeffrey L.; Brooks, Matthew L.; Mealor, Brian A. 2016. Land uses, fire, and invasion: Exotic annual Bromus and human dimensions [Chapter 11]. In: Germino, Matthew J.; Chambers, Jeanne C.; Brown, Cynthia S, eds. 2016. Exotic brome-grasses in arid and semiarid ecosystems of the western US: Causes, consequences, and management implications. Springer: Series on Environmental Management. p. 307-336.
- Chambers, Jeanne C.; Beck, Jeffrey L.; Campbell, Steve; Carlson, John; Christiansen, Thomas J.; Clause, Karen J.; Dinkins, Jonathan B.; Doherty, Kevin E.; Griffin, Kathleen A.; Havlina, Douglas W.; Henke, Kenneth F.; Hennig, Jacob D.; Kurth, Laurie L.; Maestas, Jeremy D.; Manning, Mary; Mayer, Kenneth E.; Mealor, Brian A.; McCarthy, Clinton; Perea, Marco A.; Pyke, David A. 2016. Using resilience and resistance concepts to manage threats to sagebrush ecosystems, Gunnison sage-grouse, and Greater sage-grouse in their eastern range: A strategic multi-scale approach. Gen. Tech. Rep. RMRS-GTR-356. Fort Collins, CO: U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station. 143 p.
- Chambers, Jeanne C.; Beck, Jeffrey L.; Campbell, Steve; Carlson, John; Christiansen, Thomas J.; Clause, Karen J.; Crist, Michele R.; Dinkins, Jonathan B.; Doherty, Kevin E.; Espinosa, Shawn; Griffin, Kathleen A.; Hanser, Steven E.; Havlina, Douglas W.; Henke, Kenneth F.; Hennig, Jacob D.; Kurth, Laurie L.; Maestas, Jeremy D.; Manning, Mary; Mayer, Kenneth E.; Mealor, Brian A.; McCarthy, Clinton; Pellant, Mike; Perea, Marco A.; Prentice, Karen L.; Pyke, David A.; Wiechman, Lief A.; Wuenschel, Amarina. 2016. Science Framework for the Conservation and Restoration Strategy of the Department of the Interior, Secretarial Order 3336: Using resilience and resistance concepts to assess threats to sagebrush ecosystems and sage-grouse, prioritize conservation and restoration actions, and inform management strategies. Version I, August 5, 2016. Unnumbered Publication. Fort Collins, CO: U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station. 202 p.
- Ielmini, M.R., T.E. Hopkins, K.E. Mayer, K. Goodwin, C. Boyd, B. Mealor, M. Pellant, and T. Christiansen. 2015. Invasive Plant Management and Greater Sage-grouse Conservation: A Review and Status Report with Strategic Recommendations for Improvement. Western Association of Fish and Wildlife Agencies. Cheyenne, Wyoming. 47 pp.
- Mayer, K.E. and P. Anderson, J. Chambers, C. Boyd, T. Christiansen, D. Davis, S. Espinosa, D. Havlina, M. Ielmini, D. Kemner, L. Kurth, J. Maestas, B. Mealor, T. Milesneck, L. Niell, M. Pellant, D. Pyke, J. Tague, J. Vernon. 2013. Wildfire and Invasive Species in the West: Challenges that Hinder Current and Future Management and Protection of the Sagebrush-steppe ecosystem – A Gap Report. Western Association of Fish and Wildlife Agencies. Unpublished Report. Cheyenne, Wyoming.

Extension/Outreach Programs

- Invasive Grasses Summit 2022
- “Medusa-nata” field tours annually 2017-present *covid restrictions in 2020
- Western Land Management Practicum annually 2017-present *covid restrictions in 2020, 2021
- Strategic Weed Assessment and Management Programs 2013-2014

- Rangeland Rendezvous 2013-2014

Extension Publications (authors in italics are student co-authors)

- Arndt, J.N.* and B.A. Mealor. 2021. Emergence day, growth rate, and biomass production of native perennial bunchgrasses and invasive grasses. Wyoming Agricultural Experiment Station Field Days Bulletin.
- Arndt, J.N.* and B.A. Mealor. 2021. Comparing root and shoot production of invasive grasses and cool-season perennial bunchgrasses. Wyoming Agricultural Experiment Station Field Days Bulletin.
- Arndt, J.N.* and B.A. Mealor. 2021. Field establishment and seed production of native, cool-season, perennial bunchgrasses. Wyoming Agricultural Experiment Station Field Days Bulletin.
- Arndt, J.N.* and B.A. Mealor. 2021. Comparing population performance of two establishment methods for Sulphur-flower buckwheat and desert biscuitroot. Wyoming Agricultural Experiment Station Field Days Bulletin.
- Arndt, J.N.* and B.A. Mealor. 2021. Comparing production costs of two establishment methods for Sulphur-flower buckwheat and desert biscuitroot. Wyoming Agricultural Experiment Station Field Days Bulletin.
- Fowers, B. and B.A. Mealor. 2021. Effect of various herbicides on medusahead seed viability. Wyoming Agricultural Experiment Station Field Days Bulletin.
- Fowers, B. and B.A. Mealor. 2021. Cheatgrass control by application of herbicides at various timings. Wyoming Agricultural Experiment Station Field Days Bulletin.
- Fowers, B. and B.A. Mealor. 2021. Herbicide control of ventenata at different application timings. Wyoming Agricultural Experiment Station Field Days Bulletin.
- Fowers, B. and B.A. Mealor. 2021. Evaluating impacts of newer herbicides on big sagebrush. Wyoming Agricultural Experiment Station Field Days Bulletin.
- Fowers, B. and B.A. Mealor. 2021. Evaluation of Nutrafix© for controlling cheatgrass. Wyoming Agricultural Experiment Station Field Days Bulletin.
- Fowers, B. and B.A. Mealor. 2021. Control of foxtail barley with herbicide application. Wyoming Agricultural Experiment Station Field Days Bulletin.
- Croese, J.A.* and B.A. Mealor. 2021. Impact of indaziflam on native species establishment. Wyoming Agricultural Experiment Station Field Days Bulletin.
- Hart, M.T.* and B.A. Mealor. 2021. Does annual grass invasion affect rangeland drought resistance? Wyoming Agricultural Experiment Station Field Days Bulletin.
- Arndt, J.N.*, B.A. Mealor, and B. Fowers. 2020. Comparing establishment methods for native plant material production success. Wyoming Agricultural Experiment Station Field Days Bulletin.
- Mealor, B.A. and B. Fowers. 2020. Efficacy of various herbicides on whitetop. Wyoming Agricultural Experiment Station Field Days Bulletin.
- Mealor, B.A. and B. Fowers. 2020. Influences of seeding rate, timing, and depth on green needlegrass establishment. Wyoming Agricultural Experiment Station Field Days Bulletin.
- Mealor, B.A. and *J.A. Croese*. 2020. Influence of seeding depth on native species establishment in the presence of indaziflam. Wyoming Agricultural Experiment Station Field Days Bulletin.
- Fowers, B. and B.A. Mealor. 2020. Growth regulator effects on ventenata seed viability. Wyoming Agricultural Experiment Station Field Days Bulletin.

- Skovgard, J.* and B.A. Mealor 2019. Relative competitive ability of bulbous bluegrass and cheatgrass with perennial grasses. Wyoming Agricultural Experiment Station Field Days Bulletin.
- Smith, D.M., B. Fowers, and B.A. Mealor. 2019. Production and forage quality of alfalfa varieties in Sheridan 2018. Wyoming Agricultural Experiment Station Field Days Bulletin.
- Mealor, B.A. and B. Fowers. 2019. Multi-year cheatgrass control with a single herbicide application. Wyoming Agricultural Experiment Station Field Days Bulletin.
- Fowers, B. and B.A. Mealor. 2019. Indaziflam effects on seed production and viability for various rangeland grasses. Wyoming Agricultural Experiment Station Field Days Bulletin.
- Mealor, B.A. and B. Fowers. Herbicide control of ventenata at different application times. Wyoming Agricultural Experiment Station Field Days Bulletin.
- Skovgard, J.*, B. Fowers, and B.A. Mealor. 2019. Efficacy of various herbicides on bulbous bluegrass. Wyoming Agricultural Experiment Station Field Days Bulletin.
- Arndt, J.N.*, B. Fowers, and B.A. Mealor. Establishment of native species for commercial seed production. Wyoming Agricultural Experiment Station Field Days Bulletin.
- Hart, M.T. and B.A. Mealor. 2019. Effects of ventenata removal on rangelands of northeast Wyoming. Wyoming Agricultural Experiment Station Field Days Bulletin.
- Arndt, J.N.*, B. Fowers, and B.A. Mealor. 2019. Comparing establishment methods among difficult-to-produce native plant materials. Wyoming Agricultural Experiment Station Field Days Bulletin.
- Jones, T.Z.*, B. Fowers, C.P. Youngquist, B. Hauptman, and B.A. Mealor. 2018. Evaluating establishment and forage production of various cover crops in a dryland setting. Wyoming Agricultural Experiment Station Field Days Bulletin.
- Mealor, B.A., *S. Eller*, and B.Fowers. 2018. Evaluating new herbicide mixtures for rangeland cheatgrass management. Wyoming Agricultural Experiment Station Field Days Bulletin.
- Mealor, B.A. 2018. Evaluating herbicide mixtures and seeding of cheatgrass-dominated sites. Wyoming Agricultural Experiment Station Field Days Bulletin.
- Mealor, B.A. and B. Fowers. 2018. Evaluating herbicide effectiveness for Russian olive management. Wyoming Agricultural Experiment Station Field Days Bulletin.
- Wood, C.W.* and B.A. Mealor. 2018. Evaluating the use of thresholds concepts for improving habitat through cheatgrass management. Wyoming Agricultural Experiment Station Field Days Bulletin.
- Fowers, B. and B.A. Mealor. 2017. Challenging – Wyoming Restoration Challenge seeks to knock out invasive grasses. Barnyards & Backyards Magazine.
- Mealor, B.A. and S. Franklin. 2017. Cheatgrass: Developing Potent Strategies to Bridle a Thief Plundering Green Space. Reflections - a publication by the University of Wyoming College of Agriculture and Natural Resources.
- Wood, C.W.* and B.A. Mealor. 2017. Quantifying Shrub Canopy Interceptions of Two Imazapic Formulations and Impacts on Cheatgrass Biomass. Wyoming Agricultural Experiment Station Field Days Bulletin.
- Wood, C.W.* and B.A. Mealor. 2017. Evaluating the Use of Threshold's Concepts for Improving Habitat through Cheatgrass Management. Wyoming Agricultural Experiment Station Field Days Bulletin.

- Mealor, B.A. 2017. Evaluating New Herbicide Mixtures for Rangeland Cheatgrass Management. Wyoming Agricultural Experiment Station Field Days Bulletin.
- Smith, D.M., M. Albrecht, B.A. Mealor and B. Lee. 2017. Mechanical Renovation of Deteriorating Alfalfa Stands. Wyoming Agricultural Experiment Station Field Days Bulletin.
- Mealor, B.A., B. Fowers and C.W. Wood. 2017. Evaluating Chronic Herbicide Exposure for Long-term Reduction of Canada thistle. Wyoming Agricultural Experiment Station Field Days Bulletin.
- Mealor, B.A. and B. Fowers. 2017. Evaluating herbicide mixtures and seeding of cheatgrass-dominated sites. Wyoming Agricultural Experiment Station Field Days Bulletin.
- Hufford, K.M. and B.A. Mealor. 2017. Testing the Relative Effects of Solarization and Herbicide for Weed Control and Native Species Establishment. Wyoming Agricultural Experiment Station Field Days Bulletin.
- Fowers, B., B.A. Mealor, C.W. Wood and R.D. Mealor. 2017. Wyoming Restoration Challenge: Cheatgrass, a Scientific and Social Demonstration Project. Wyoming Agricultural Experiment Station Field Days Bulletin.
- Workman, J.M. and B.A. Mealor. 2016. Spring and Fall Herbicide Application for Dalmatian Toadflax Control. Wyoming Agricultural Experiment Station Field Days Bulletin.
- Fowers, B. and B.A. Mealor. 2016. A 20-year Retrospective Evaluation of Seeding Competitive Perennial Grasses for Dalmatian Toadflax Suppression. Wyoming Agricultural Experiment Station Field Days Bulletin.
- Mealor, B.A., J.M. Workman, B. Fowers and C.W. Wood. 2016. Wyoming Restoration Challenge Focuses of Restoring Weed-Infested Pasture. Wyoming Agricultural Experiment Station Field Days Bulletin.
- Workman, J.M. and B.A. Mealor. 2016. Targeted Sheep Grazing for Dalmatian Toadflax and Geyer's Larkspur Management. Wyoming Agricultural Experiment Station Field Days Bulletin.
- Wood, C.W., B.A. Mealor and A.R. Kniss. 2016. Evaluating the Efficacy of Two Imazapic Formulations and Sagebrush Canopy Effects on Cheatgrass Control under Greenhouse Conditions. Wyoming Agricultural Experiment Station Field Days Bulletin.
- Perry, A., K. Hansen, R. Coupal and B.A. Mealor. 2015. Analysis for Reclamation Costs in Wyoming's Powder River Basin. Wyoming Agricultural Experiment Station Field Days Bulletin.
- Noseworthy, C.E., B.A. Mealor and A. Pocewicz. 2015. Statewide Distribution of Cheatgrass Infestations in Wyoming. Wyoming Agricultural Experiment Station Field Days Bulletin.
- Fowers, B., B.A. Mealor and A.R. Kniss. 2015. Developing Strategies to Improve Reclamation Success of Drastically Disturbed Lands. Wyoming Agricultural Experiment Station Field Days Bulletin.
- Meeks, J., A.R. Kniss, B.A. Mealor and S.I. Paisley. 2015. Planting Date Effect on Winter Forage Crops for Supplemental Cornstalk Grazing. Wyoming Agricultural Experiment Station Field Days Bulletin.
- Noseworthy, C.E. and B.A. Mealor. 2015. Evaluating Multi-Species Targeted Grazing for Cheatgrass Control. Wyoming Agricultural Experiment Station Field Days Bulletin.
- Workman, J.M. and B.A. Mealor. 2015. Targeted Grazing for Dalmatian Toadflax and Geyer's Larkspur Management. Wyoming Agricultural Experiment Station Field Days Bulletin.

- Rose, W. B.A. Mealor and A.R. Kniss. 2015. A Novel Method for Removing Cheatgrass from Reclamation Seed. Wyoming Agricultural Experiment Station Field Days Bulletin.
- Fowers, B., B.A. Mealor and A.R. Kniss. 2015. Evaluating Direct Herbicide Impacts on Desirable Species Used in Reclamation. Wyoming Agricultural Experiment Station Field Days Bulletin.
- Rose, W., B.A. Mealor and A.R. Kniss. 2014. Using Germination Differences to Remove Cheatgrass from Reclamation Seed. Wyoming Agricultural Experiment Station Field Days Bulletin.
- Workman, J.M. and B.A. Mealor. 2014. Effects of Defoliation on Dalmatian Toadflax and Four Native Grasses. Wyoming Agricultural Experiment Station Field Days Bulletin.
- Noseworthy, C.E. and B.A. Mealor. 2014. Evaluating Multi-Species Targeted Grazing for Cheatgrass Control. Wyoming Agricultural Experiment Station Field Days Bulletin.
- Fowers, B., B.A. Mealor and A.R. Kniss. 2014. Developing Weed Management Strategies to Improve Reclamation of Drastically Disturbed Lands. Wyoming Agricultural Experiment Station Field Days Bulletin.
- Fowers, B., B.A. Mealor and A.R. Kniss. 2014. Developing Strategies to Improve Reclamation Seeding of Drastically Disturbed Lands. Wyoming Agricultural Experiment Station Field Days Bulletin.
- Noseworthy, C.E. and B.A. Mealor. 2014. Statewide Prioritization of Cheatgrass Infestations in Wyoming. Wyoming Agricultural Experiment Station Field Days Bulletin.
- Mealor, B.A. 2014. Effectiveness of Invasive Weed Management in National Parks. Wyoming Livestock Roundup, June 7, 2014.
- Mealor, B.A. 2014. Medusahead Spreads East. Wyoming Livestock Roundup. January 11, 2014.
- Mealor, B.A., R.D. Mealor, W.K. Kelley, D.L. Bergman, S.A. Burnett, T.W. Decker, B. Fowers, M.E. Herget, C.E. Noseworthy, J.L. Richards, C.S. Brown, K.G. Beck, M. Fernandez-Gimenez. 2013. Cheatgrass Management Handbook: Managing an invasive annual grass in the Rocky Mountain region. UW Bulletin B-1246.
- Mealor, B.A., T. Collier, S.L. Miller, S. Burnett (eds.) 2013. Wyoming Weed Watchlist Field Guide 2013. UW Bulletin B-1227.
- Fowers, B., B.A. Mealor and A.R. Kniss. 2013. Developing weed management strategies to improve reclamation of drastically disturbed lands. Wyoming Agricultural Experiment Station Field Days Bulletin.
- Noseworthy, C.E. and B.A. Mealor. 2013. Statewide prioritization of cheatgrass infestations in Wyoming. Wyoming Agricultural Experiment Station Field Days Bulletin.
- Burnett, S.A. and B.A. Mealor. 2013. Effects of sequential herbicide application on cheatgrass and native rangeland vegetation. Wyoming Agricultural Experiment Station Field Days Bulletin.
- Mealor, B.A. 2013. Science AND management. Wyoming Livestock Roundup.
- Mealor, B.A. 2013. Cheatgrass management handbook now available. Wyoming Livestock Roundup.
- Mealor, B.A. 2013. Are invasive plants really all that bad? Wyoming Livestock Roundup. August 24, 2013.
- Sebade, B. and B.A. Mealor. 2013. Weeds are really not waiting for a wildfire to pounce on your property, but sure can seem so. *in Living with Wildfire in Wyoming*.
- Mealor, B.A. 2013. Bulbous bluegrass – A newcomer or a case of increased notoriety? Wyoming Livestock Roundup. July 10, 2013.

- Mealor, B.A. 2013. *Why weeds are problems in range and pasture*. Wyoming Livestock Roundup. June 1, 2013.
- Mealor, B.A. 2013. *The Cost of Doing Nothing*.
Printed in: -North American Invasive Species Management Association Newsletter. March, 2013.
-Weed Times (Montana Weed Control Association). Spring 2013.
- Greet, B.J., B.A. Mealor and A.R. Kniss. *Does larkspur control make financial sense?* Wyoming Livestock Roundup. March 11, 2013.
- Mealor, B.A. 2013. *Moth mullein – a new weed species for Wyoming*. Wyoming Native Plant Society Newsletter.
- Mealor, B.A. 2013. *Increased cooperation for effective weed management*. Wyoming Livestock Roundup. January 30, 2013.
- Hufford, K., R. Mealor and B.A. Mealor. 2012. *Variation among seed sources of plant species for reclamation*. Wyoming Agricultural Experiment Station Field Days Bulletin.
- Hergert, H.J., B.A. Mealor, A.R. Kniss, R.D. Mealor and R.A. Rapp. 2012. An evaluation of desirable species' competitive ability against downy brome*. Wyoming Agricultural Experiment Station Field Days Bulletin.
- Hergert, H.J., B.A. Mealor, A.R. Kniss and R.A. Rapp. 2012. Desirable reclamation and restoration species seedling response to aminocyclopyrachlor*. Wyoming Agricultural Experiment Station Field Days Bulletin.
- Hergert, H.J., B.A. Mealor and A.R. Kniss. 2012. Effects of preemergence application of Matrix, Plateau and Aminocyclopyrachlor on downy brome*. Wyoming Agricultural Experiment Station Field Days Bulletin.
- Fowers, B., B.A. Mealor and A.R. Kniss. 2012. Developing weed management strategies to improve reclamation of drastically disturbed lands*. Wyoming Agricultural Experiment Station Field Days Bulletin.
- Mealor, B.A. 2012. *Alien Sightings in Wyoming?* Wyoming Livestock Roundup. Nov 10, 2012.
- Mealor, B.A. 2012. *Wildfire, Weeds and Worry*. Wyoming Livestock Roundup. July 28, 2012.
- Mealor, B.A. 2012. *Environmental Stress May Affect Weed Control*. Wyoming Livestock Roundup. June 2, 2012.
- Mealor, B.A. and A. Peterson. 2012. *Minimizing Impacts of Weeds in your Hay*. Wyoming Livestock Roundup. April, 14, 2012.
- Mealor, B.A. 2012. *Weed Management...There's an App for That?* Wyoming Livestock Roundup. February 18, 2012.
- Mealor, B.A. 2011. *Proceed with Caution: Unintended Consequences May be Ahead*. Wyoming Livestock Roundup. October 29, 2011.
- Mealor, B.A. 2011. *Cheatgrass Management – FAQ's*. Wyoming Livestock Roundup. September 23, 2011.
- Mealor, B.A. 2011. *Weeds of Mongolia*. Wyoming Livestock Roundup. July 9, 2011.
- Mealor, B.A. 2011. *Wyoming Invasive Weed Awareness*. Wyoming Livestock Roundup. May 14, 2011.
- Mealor, B.A. 2011. *All in the timing – There's a season for everything and one is weed management*. Barnyards and Backyards, Spring 2011 5-6.

- Mealor, B.A. 2011. Strategic Weed Management, Part 5. Assessing weed distribution. Wyoming Livestock Roundup.
- Mealor, B.A. and R.D. Mealor 2010. Strategic Weed Management, Part 4. Turning Liabilities into Assets. Wyoming Livestock Roundup December 11, 2010
- Mealor, B.A. 2010. You Can Help Keep Invasive Weeds at Bay. Barnyards and Backyards, Fall 2010 17-17.
- Mealor, B.A. 2010. Strategic Weed Management, Part 3. Ensuring Correct Herbicide Application. Wyoming Livestock Roundup October 23, 2010
- Mealor, B.A. 2010. Strategic Weed Management, Part 2. Control Options. Wyoming Livestock Roundup September 7, 2010.
- Mealor, R.D. and B.A. Mealor. 2010. Picking plants: How to collect and preserve plants for identification. Barnyards & Backyards, Summer 2010: 23-25.
- Mealor, B.A. 2010. Strategic Weed Management, Part 1. Assessing impacts of weeds on your property. Wyoming Livestock Roundup July 10, 2010.
- Mealor, B.A. 2010. The Cost of Doing Nothing. Wyoming Livestock Roundup May 15, 2010.
- Mealor, B.A. 2010. Correct identification of weeds a critical step. Barnyards & Backyards Insert April 2010.
- Tyrer, S., B.A. Mealor, and A.L. Hild. 2006. Triple threat approach by researchers swats Russian knapweed. Reflections. University of Wyoming, Laramie.

Other Outreach Products

[IMAGINE Invasive Grasses Virtual Summit](#)

Weed Control Freaks: Wyoming Weed Science in (almost) Real Time Blog Posts (selected)

- Mealor, B.A. 2014. Historical perspective on the importance of EDRR. <http://weedcontrolfreaks.com/2014/03/historicedrr/>
- Mealor, B.A. 2013. Are invasive plants really all that bad? <http://weedcontrolfreaks.com/2013/08/are-invasive-plants-really-all-that-bad/>
- Mealor, B.A. 2012. Will my beautiful garden flower become a crazed invasive weed? <http://weedcontrolfreaks.com/2012/11/will-my-beautiful-garden-flower-become-a-crazed-invasive-weed/>
- Mealor, B.A. 2012. Perennial pepperweed control: research update. <http://weedcontrolfreaks.com/2012/06/perennial-pepperweed-control-research-update/>
- Mealor, B.A. 2012. Dame's rocket on the move. <http://weedcontrolfreaks.com/2012/05/dames-rocket-on-the-move/>

Web-based instructional videos

- Mealor, B.A., J. Cotterman, M. Smith, R.D. Mealor and J. Thompson. 2011. Online cheatgrass management workshop with virtual field trip. Available at: <http://www.uwyo.edu/barnbackyard/resources/weeds.html>
- Mealor, B.A., D. Smith and J. Thompson. 2011. "Watching for weeds and weed Identification" – YouTube instructional video available at: <http://www.youtube.com/watch?v=zoyrbkzoTz4>

Mealor, B.A., D. Smith and J. Thompson. 2011. "Weed control and prioritization" – YouTube instructional video available at: www.youtube.com/watch?v=u03zfNn-v_c

Mealor, B.A., R.D. Mealor and D. Smith. 2010. "Collecting plant specimens for identification and vouchering" – YouTube instructional video available at: <http://www.youtube.com/watch?v=NhZZDx0vc2k>

PRESENTATIONS

Professional meeting presentations (authors in italics are student co-authors)

- Cröse, J.A.* and B.A. Mealor. 2022. Sagebrush tolerance at various growth stages to four annual grass herbicides. Western Society of Weed Science Annual Meeting. Newport Beach, CA.
- DeStefano, A.*, B. Fowers, and B.A. Mealor. 2022. Comparison of visual estimation and line point intercept vegetation survey methods on annual grass-invaded rangelands of Wyoming. Western Society of Weed Science Annual Meeting. Newport Beach, CA.
- Sleugh, B.B.*, W.L. Hatler, S. Flynn, T. Rogers, C. Hart, S. Ingram, M.J. Renz, B.A. Mealor, T.S. Prather, J. Mangold. 2022. Beyond the dead weed – Collaborating to capture and share the benefits of managing vegetation to meet wildlife, pollinator, and other habitat objectives. Western Society of Weed Science Annual Meeting. Newport Beach, CA.
- Hart, M.T.* and B.A. Mealor. 2022. Enterprise budget comparisons of Ventenata control on a private-land ranch of northeast Wyoming. Western Society of Weed Science Annual Meeting. Newport Beach, CA.
- Mealor, B.A., A.C. Cassidy, L. Sander, J.N. Arndt, and O. Ingersoll. 2022. Enhancing adaptive invasive annual grass management via landscape-scale vegetation monitoring. Western Society of Weed Science Annual Meeting. Newport Beach, CA.
- Hart, M.T.* and B.A. Mealor. 2022. Does annual grass invasion affect rangeland drought resistance? Western Society of Weed Science Annual Meeting. Newport Beach, CA.
- Cröse, J.A.* and B.A. Mealor. 2022. Relative tolerance of newly-seeded grasses, forbs, and shrubs to indaziflam in northeast Wyoming. Western Society of Weed Science Annual Meeting. Newport Beach, CA.
- DeStefano, A.*, B.A. Mealor, L.J. Rew, J. Mangold, C.V. Ransom, L.C. Jones, and T.S. Prather. 2022. Effects of introduced annual graminoids on native vegetation of rangelands across the northwestern United States. Western Society of Weed Science Annual Meeting. Newport Beach, CA.
- Jones, T.Z.* and B.A. Mealor. 2022. Incorporating cover crops into a semi-arid alfalfa rotation: Yield, weed control, and economic considerations. Western Society of Weed Science Annual Meeting. Newport Beach, CA.
- Fowers, B., B.A. Mealor, C.V. Ransom, S. Clark, D.J. Sebastian, and S.J. Nissen. 2022. Effects of indaziflam application timing on annual grass control at seven rangeland sites. Western Society of Weed Science Annual Meeting. Newport Beach, CA.
- Mealor, B.A. 2022. Strategic, landscape-scale management of invasive annual grasses. Western Society of Weed Science Annual Meeting. Newport Beach, CA.
- Cröse, J.A.* and B.A. Mealor. 2021. Integrating seeding with indaziflam: Evaluating establishment of grasses, forbs, and shrubs. Western Society of Weed Science Annual Meeting. Virtual Meeting.
- Cröse, J.A.* and B.A. Mealor. 2021. Does seeding depth affect native species establishment in the presence of indaziflam? Western Society of Weed Science Annual Meeting. Virtual Meeting.

- Hart, M.T. and B.A. Mealor. 2021. Effects of Ventenata Control on Northern Mixed Prairie Ecosystem Goods and Services Two Years Posttreatment. Western Society of Weed Science Annual Meeting. Virtual Meeting.
- Mealor, B.A. 2021. Putting it all together: Putting tools into landscape context. Western Society of Weed Science Annual Meeting. Virtual Meeting.
- Arndt, J.N. and B.A. Mealor. 2021. Ventenata and medusahead in northeast Wyoming. Western Society of Weed Science Annual Meeting. Virtual Meeting.
- Cröse, J.A. and B.A. Mealor. 2020. Influence of Seeding Depth on Native Species Establishment in the Presence of Indaziflam. Western Society of Weed Science Annual Meeting. Maui, HI.
- Jones, T.Z. and B.A. Mealor. 2020. Cover crop vs. cash crop: A comparison of two renovation approaches in deteriorated Wyoming hayfields. Western Society of Weed Science Annual Meeting. Maui, HI.
- Hart, M. and B.A. Mealor. 2020. Testing rangeland drought resistance in the presence of ventenata (*Ventenata dubia*). Western Society of Weed Science Annual Meeting. Maui, HI.
- Arndt, J.N. and B.A. Mealor. 2020. Impact of relative early emergence and growth rates of cool-season bunchgrasses on priority effects with invasive grasses. Western Society of Weed Science Annual Meeting. Maui, HI.
- Fowers, B., B.A. Mealor, and W.L. Hatler. 2020. Growth regulator effects on ventenata (*Ventenata dubia*) seed viability under field conditions. Western Society of Weed Science Annual Meeting. Maui, HI.
- Skovgard, J.L. and B.A. Mealor. 2020. Evaluating efficacy of various herbicides for bulbous bluegrass (*Poa bulbosa*) control. Western Society of Weed Science Annual Meeting. Maui, HI.
- Quicke, H. J.H. Brock, I. Burke, S. Clark, T.J. Getts, J. Mangold, B.A. Mealor, S.J. Nissen, T.S. Prather, C.V. Ransom, D.J. Sebastian, and S.M. Van Vleet. 2020. Restoration of invasive annual grass degraded landscapes: Overview of the indaziflam field trial program. Western Society of Weed Science Annual Meeting. Maui, HI.
- Cassiday, A., B.A. Mealor, L. Sander, L. Garner, O. Ingersoll, and C. Rogaczewski. 2020. Lessons learned: Implementing ventenata and medusahead EDRR on a mixed ownership landscape. Western Society of Weed Science Annual Meeting. Maui, HI.
- Hart, M.T. and B.A. Mealor. 2020. Ventenata management in Northern Mixed Prairie: Implications for ecosystem goods and services. Western Society of Weed Science Annual Meeting. Maui, HI.
- Skovgard, J.L. and B.A. Mealor. 2020. Evaluating the efficacy of various herbicides on bulbous bluegrass control. Society for Range Management Annual Meeting. Denver, CO.
- Arndt, J.N. and B.A. Mealor. 2020. Comparing establishment methods among difficult-to-produce native plant materials. Society for Range Management Annual Meeting. Denver, CO.
- Cröse, J.A. and B.A. Mealor. 2019. Opening the sagebrush establishment window: Reducing grass competition for sagebrush seedlings (Oral Presentation). August 2019, Corteva DuraCor™ Innovation Showcase, Sheridan, WY.
- Fowers, B. and B.A. Mealor. 2019. Indaziflam effects on seed production of established perennial grasses. Western Society of Weed Science Annual Meeting. Denver, CO.
- Race, K.N., D. Tekiela, and B.A. Mealor. 2019. The Good, the Bad, and the Perennial Grasses: Integrated Management of an Invasive Rangeland Perennial Using Herbicide and Targeted Grazing. Western Society of Weed Science Annual Meeting. Denver, CO.

- Hart, M.* and B.A. Mealor. 2019. Effects of ventenata removal on rangelands of northeast Wyoming. Western Society of Weed Science Annual Meeting. Denver, CO.
- Skovgard, J.L.,* B. Fowers, and B.A. Mealor. 2019. Evaluating efficacy of various herbicides for bulbous bluegrass control. Western Society of Weed Science Annual Meeting. Denver, CO.
- Wood, C.W.* and B.A. Mealor. 2019. Needles in a haystack: Identifying thresholds in annual grass-dominated rangelands. Society for Range Management Annual Meeting. Minneapolis, MN.
- Fowers, B. and B.A. Mealor. 2019. Indaziflam effects on seed production for established perennial grasses. Society for Range Management Annual Meeting. Minneapolis, MN.
- Wood, C.W.* and B.A. Mealor. 2018. Does a dry herbicide delivery system provide increased downy brome control beneath a sagebrush canopy? International Society for Range Management Annual Meeting. Sparks, NV.
- Mealor, B.A., B. Fowers, and *C.W. Wood.* 2018. Wyoming restoration challenge: Winners, losers, and lessons learned in invasive grass restoration. Western Society of Weed Science Annual Meeting. San Diego, CA.
- Wood, C.W.* and B.A. Mealor. 2018. Needles in a haystack: Identifying thresholds in annual grass-dominated rangeland systems. Western Society of Weed Science Annual Meeting. San Diego, CA.
- Mealor, B.A., B. Fowers, and L. Sander. 2018. Medusahead and ventenata in the northern Great Plains ecoregion: Invasion history and management efforts. Western Society of Weed Science Annual Meeting. San Diego, CA.
- Fowers, B. and B.A. Mealor. 2018. Indaziflam effects on seed production and viability for various rangeland grasses. Western Society of Weed Science Annual Meeting. San Diego, CA.
- Wood, C.W.* and B.A. Mealor. 2018. Does a dry herbicide delivery system provide increased downy brome control beneath a sagebrush canopy? Western Society of Weed Science Annual Meeting. San Diego, CA.
- Skovgard, J.L.,* B. Fowers, B.A. Mealor. 2018. Relative competitive abilities of bulbous bluegrass and downy brome with perennial grasses. (poster) Western Society of Weed Science Annual Meeting. San Diego, CA.
- Mealor, B.A. 2018. Medusahead and ventenata in the northern Great Plains. South Dakota Weed Management Association Annual meeting. Rapid City, SD. (invited)
- Wood, C.W.,* B.A. Mealor. 2017. Evaluating the use of Thresholds Concepts for Improving Habitat through Downy Brome Management. Western Society of Weed Science Annual Meeting. Coeur d'Alene, ID.
- Wood, C.W.,* B.A. Mealor. 2017. Quantifying Shrub Canopy Interception of Two Imazapic Formulations and Impacts on Downy Brome Biomass. Western Society of Weed Science Annual Meeting. Coeur d'Alene, ID.
- Wood, C.W.,* B.A. Mealor. 2017. Evaluating the use of Thresholds Concepts for Improving Habitat through Cheatgrass Management. International Society for Range Management Annual Meeting. St. George, UT.
- Quantifying Shrub Canopy Interception of Two Imazapic Formulations and Impacts on Downy Brome Biomass. International Society for Range Management Annual Meeting. St. George, UT.

- Fowers, B., B.A. Mealor, C.W. Wood, and R.D. Mealor. 2017 Wyoming restoration challenge: A participatory learning competition. International Society for Range Management Annual Meeting. St. George, UT.
- Asanakunov, B., Kandel, R., Mealor, B.A., Bergey, D.R., Joshee, N., and Dhekney, S.A. 2016. Optimizing parameters for in vitro culture and plant regeneration of *Artemisia tridentata* ssp. *wyomingensis* (Wyoming big sagebrush). P-3025. In Vitro Cell. Dev. Biol. – Animal, DOI 10.1007/s11626-016-0034-0.
- Wood, C.W. and B.A. Mealor. 2016 Quantifying shrub canopy interception of two imazapic formulations and impacts on cheatgrass biomass. Wyoming Section Society for Range Management/The Wildlife Society Wyoming Chapter Joint Meeting, Cody, WY.
- Wood, C.W. and B.A. Mealor. 2016 Evaluating the use of Thresholds Concepts for Improving Habitat through Cheatgrass Management. Wyoming Section Society for Range Management/The Wildlife Society, Wyoming Chapter Joint Conference (poster). Cody, WY.
- Wood, C.W. and B.A. Mealor. 2016 Evaluating the use of Thresholds Concepts for Improving Habitat through Cheatgrass Management (poster). Western Society of Weed Science Annual Meeting. Albuquerque, NM.
- Wood, C.W. and B.A. Mealor. 2016 Evaluating the use of Thresholds Concepts for Improving Habitat through Cheatgrass Management (poster). Society for Range Management Annual Meeting. Corpus Christi, TX.
- Wood, C.W. and B.A. Mealor. 2016 Proactive Cheatgrass Management to Improve Wildlife Habitat. Wyoming Weed Management Association. Casper, WY.
- Mealor, B.A. 2016 Medusahead and Ventenata in Wyoming - Status Update. Wyoming Weed and Pest Fall Conference. Cody, WY.
- Mealor, B.A. 2016 New Invasive Grasses in Wyoming. Wyoming Section Society for Range Management/The Wildlife Society, Wyoming Chapter Joint Meeting. Cody, WY.
- Meeks, J., A.R. Kniss, B.A. Mealor. 2015 Planting Date Effect on Winter Forage Crops for Supplemental Cornstalk Grazing. Western Society of Weed Science, Portland, OR.
- Noseworthy, C.E. and B.A. Mealor. 2015 Statewide Prioritization of Downy Brome Infestations in Wyoming. Western Society of Weed Science, Portland, OR.
- Fowers, B. and B.A. Mealor. 2015 Improving Reclamation Success Through Weed Management and Seeded Species Selection. Western Society of Weed Science, Portland, OR.
- Rose, W.C., B.A. Mealor and A.R. Kniss. 2015 A Novel Method for Removing Downy Brome Contaminants from Reclamation Seed. Western Society of Weed Science, Portland, OR.
- Workman, J.M. and B.A. Mealor. 2015 Targeted Grazing and Herbicide for Dalmatian Toadflax and Geyer Larkspur Management. Western Society of Weed Science, Portland, OR.
- Noseworthy, C.E. and B.A. Mealor. 2015 Evaluating Multi-Species Targeted Grazing for Downy Brome Control. Western Society of Weed Science, Portland, OR.
- Fowers, B. and B.A. Mealor. 2015 Evaluating Direct Herbicide Impacts on Desirable Species Used in Reclamation. Western Society of Weed Science, Portland, OR.
- Workman, J.M. and B.A. Mealor. 2015 Targeted Grazing and Herbicide for Dalmatian Toadflax and Geyer Larkspur Management. Society for Range Management Annual Meeting, Sacramento, CA.

- Noseworthy, C.E.* and B.A. Mealor. 2015 Statewide Prioritization of Cheatgrass Infestations. Society for Range Management Annual Meeting, Sacramento, CA.
- Noseworthy, C.E.* and B.A. Mealor. 2015 Evaluating Multi-species Targeted Grazing for Cheatgrass Control. Society for Range Management Annual Meeting, Sacramento, CA.
- Rose, W.C.*, B.A. Mealor, and A.R. Kniss. 2015 A Novel Method for Removing Downy Brome Contaminants from Reclamation Seed. Society for Range Management Annual Meeting, Sacramento, CA.
- Workman, J.M.* and B.A. Mealor. 2015 Targeted Grazing and Herbicide for Dalmatian Toadflax and Geyer Larkspur Management. Society for Range Management Annual Meeting, Sacramento, CA.
- Mealor, B.A. and K. Klement. 2014. Rangeland ecosystems, their contributions to society and their management. Texas A&M and Princeton Summer School on Quantum Physics. Casper, WY. (invited)
- Burnett, S.A.* and B.A. Mealor. 2014. Establishment of native perennial grasses in the presence of cheatgrass and imazapic. International Society for Range Management Annual Meeting. Orlando, FL. (poster)
- Burnett, S.A.* and B.A. Mealor. 2014. Effects of sequential herbicide applications and grazing exclusion on downy brome and native rangeland vegetation. International Society for Range Management Annual Meeting. Orlando, FL.
- Fowers, B.*, B.A. Mealor and C. Gasch. 2014. Herbicide and seeding effects on soil microbiota as determined by phospholipid fatty acid analysis. International Society for Range Management Annual Meeting. Orlando, FL. (poster)
- Fowers, B.* and B.A. Mealor. 2014. Determining weed management options to improve reclamation of disturbed lands. International Society for Range Management Annual Meeting. Orlando, FL.
- Noseworthy, C.E.* and B.A. Mealor. 2014. Statewide prioritization of cheatgrass infestations in Wyoming. International Society for Range Management Annual Meeting. Orlando, FL.
- Rose, W.C.*, B.A. Mealor and A.R. Kniss. 2014. Using germination differences to remove downy brome from reclamation seed. Western Society of Weed Science Annual Meeting. Colorado Springs, CO. (poster)
- Noseworthy, C.E.* and B.A. Mealor. 2014. Evaluating multi-species targeted grazing for downy brome control. Western Society of Weed Science Annual Meeting. Colorado Springs, CO. (poster)
- Noseworthy, C.E.* and B.A. Mealor. 2014. Beyond presence-absence: Prioritizing Wyoming's downy brome infestations. Western Society of Weed Science Annual Meeting. Colorado Springs, CO.
- Burnett, S.A.* and B.A. Mealor. 2014. Characterizing the seedbank in native rangeland invaded by downy brome in Thunder Basin, USA. Western Society of Weed Science Annual Meeting. Colorado Springs, CO. (poster)
- Burnett, S.A.* and B.A. Mealor. 2014. Effects of sequential herbicide applications and grazing exclusion on downy brome and native rangeland vegetation. Western Society of Weed Science Annual Meeting. Colorado Springs, CO.
- Fowers, B.*, B.A. Mealor and C. Gasch. 2014. Herbicide and seeding effects on soil microbiota as determined by phospholipid fatty acid analysis. Western Society of Weed Science Annual Meeting. Colorado Springs, CO. (poster)

- Fowers, B.*, B.A. Mealor. 2014. Evaluating weed management strategies for improving reclamation. Western Society of Weed Science Annual Meeting. Colorado Springs, CO.
- Workman, J.W.* and B.A. Mealor. 2014. Effects of defoliation on Dalmatian toadflax and four native grasses. Western Society of Weed Science Annual Meeting. Colorado Springs, CO. (poster) *1st place poster presentation*
- Meeks, J.*, B.A. Mealor, D.A. Claypool and A.R. Kniss. 2014. Supplementing corn stalk grazing with winter forage crops. Western Society of Weed Science Annual Meeting. Colorado Springs, CO. (poster)
- Noseworthy, C.E.* and B.A. Mealor. 2013. Wyoming cheatgrass rapid assessment. Wyoming Section Society for Range Management Annual Meeting. Sheridan, WY.
- Mealor, B.A. 2013. Invasive grasses in western rangelands. North American Invasive Species Management Association/Wyoming Weed and Pest Council Joint Meeting. Jackson, WY.
- Burnett, S.A.* and B.A. Mealor. 2013. Establishment of native perennial grasses in the presence of downy brome and imazapic. Ecological Society of American Annual Meeting. Minneapolis, MN.
- Greet, B.J.*, B.A. Mealor and A.R. Kniss. 2013. Economic evaluation of duncecap larkspur with aminocyclopyrachlor. Western Society of Weed Science Annual Meeting. San Diego, CA. (poster)
- Mealor, B.A. 2013. A generalized framework for teaching and interpreting plant invasions. Western Society of Weed Science Annual Meeting. San Diego, CA.
- Greet, B.J.*, B.A. Mealor and A.R. Kniss. 2013. Response of duncecap larkspur and associated vegetation to aminocyclopyrachlor. Western Society of Weed Science Annual Meeting. San Diego, CA.
- Burnett, S.* and B.A. Mealor. 2013. Effects of sequential herbicide application on cheatgrass and native vegetation. International Society for Range Management Annual Meeting. Oklahoma City, OK. (poster)
- Fowers, B.* and B.A. Mealor. 2013. Developing weed management strategies to improve reclamation of drastically disturbed lands. International Society for Range Management Annual Meeting. Oklahoma City, OK. (poster) – *2nd place poster in PhD competition*
- Hergert, H.J.*, B.A. Mealor, A.R. Kniss and R.D. Mealor. 2012. Effects of preemergence application of rimsulfuron, imazapic and aminocyclopyrachlor on downy brome. Western Society of Weed Science Annual Meeting. Reno, NV. – *3rd place oral presentation*
- Hergert, H.J.*, B.A. Mealor, A.R. Kniss and R.D. Mealor. 2012. Desirable reclamation and restoration species seedling response to aminocyclopyrachlor. Western Society of Weed Science Annual Meeting. Reno, NV. – *1st place poster presentation*
- Greet, B.J.*, A.R. Kniss and B.A. Mealor. 2012. Response of duncecap larkspur and associated vegetation to aminocyclopyrachlor. Western Society of Weed Science Annual Meeting. Reno, NV. – *2nd place oral presentation*
- LaFantasie, J.J., B.A. Mealor and A.R. Kniss. 2012. Black greasewood community response to aminocyclopyrachlor application (poster). Western Society of Weed Science Annual Meeting. Reno, NV.
- Mealor, B.A. 2012. Systems in Transition: Integrated management of annual brome at the intersection of great plains grasslands and sagebrush steppe (Invited). Ecology and

- Management of Downy Brome in the West: What Can the Past Tell us About the Future Symposium, Western Society of Weed Science Annual Meeting. Reno, NV.
- Mealor, B.A. 2012. Strategic Management of Cheatgrass in Wyoming (Invited). Wyoming Landscape Conservation Initiative Annual Science Workshop. Rock Springs, WY.
- LaFantasie, J.J., B.A. Mealor and A.R. Kniss. 2012. Black greasewood community response to aminocyclopyrachlor application (poster). International Society for Range Management Annual Meeting. Spokane, WA.
- Ziehl, T., B.A. Mealor, J. Kraft, R. Richards and J.D. Sheehan. 2012. EDRR from the ground up – Wyoming’s early detection – rapid response system. Early Detection Rapid Response to Invasive Plants: Feasibility of a Regional and National Program Symposium, International Society for Range Management Annual Meeting. Spokane, WA.
- Sleugh, B.B., M. Halstvedt, V.F. Peterson, R.G. Wilson, G.M. Sbatella, S. Nissen, B.A. Mealor. 2011. Aminopyralid + triclopyr control of Russian olive and saltcedar: Maintaining grass understorey. Western Society of Weed Science Annual Meeting. Spokane, WA.
- Hergert, H.J., B.A. Mealor, R.D. Mealor and A.R. Kniss. 2011. Seedling response of 27 native species and 2 exotic weeds to Aminocyclopyrachlor (poster). Western Society of Weed Science Annual Meeting. Spokane, WA.
- Greet, B.J., B.A. Mealor and A.R. Kniss. 2011. Control of tall larkspur (*Delphinium occidentale*) with aminocyclopyrachlor (poster). Western Society of Weed Science Annual Meeting. Spokane, WA.
- Knezevic, S.Z., A. Datta, R.E. Rapp, J. Scott, B.A. Mealor, R.G. Lym, K.G. Beck and J. Zawierucha. 2011. Control of leafy spurge with imazapic and saflufenacil applied in Spring (poster). Western Society of Weed Science Annual Meeting. Spokane, WA.
- Mealor, B.A. and D. Blumenthal. 2011. Use and effectiveness of VLSA imagery for invasive weed monitoring in rangelands. International Society for Range Management Annual Meeting. Billings, MT.
- Sebade, B., A.L. Hild, B.A. Mealor and T. Smith. 2011. Competition of native grasses from invasion transplanted into Russian knapweed and Canada thistle. International Society for Range Management Annual Meeting. Billings, MT.
- Knezevic, S.Z., A. Datta, R.E. Rapp, J. Scott, B.A. Mealor, R.G. Lym, K.G. Beck and J. Zawierucha. 2010. Control of leafy spurge with imazapic and saflufenacil (poster). North Central Weed Science Society Annual Meeting. Lexington, KY.
- Mealor, B.A., D.T. Booth, S. Cox, H.E. Copeland. 2010. Post-fire cheatgrass dynamics in the southern Wind River Range of Wyoming (paper). Western Society for Weed Science Annual. Waikoloa Village, HI.
- Mealor, B.A., D.T. Booth and S. Cox. 2010. Invasion of the highlands: Post-fire *Bromus tectorum* dynamics at high elevations in the southern Wind River Range, Wyoming (poster). International meeting Society for Range Management. Denver, CO.
- Sebade, Brian, A. Hild, B. A. Mealor and T. Smith. 2010. Resilience of native grasses from invaded and non-invaded sites transplanted into weed invasions. International Society for Range Management Annual Meeting. Denver, CO.
- Mealor, B.A. 2010. Impacts of exotic weed invasion and restoration potential of shrubland wildlife habitats in the Intermountain West (paper). Wildland Shrub Symposium. Logan, UT.

- Sebade, B.*, A.L. Hild and B.A. Mealor. 2009. Resistance and resilience of native grasses competing with exotic species (poster). SERDP & ESTCP Partners in Environmental Technology Technical Symposium & Workshop. Washington D.C.
- Pocewicz, A., M.L. Smith, H.E. Copeland, B.A. Mealor, J.M. Kiesecker. 2009. Effects of the cumulative human footprint on sagebrush vegetation and greater sage-grouse abundance (paper). Annual Meeting of The Wildlife Society, Wyoming Chapter. Cody, WY.
- Bergum, K. E.*, A. L. Hild and B. A. Mealor. 2009. After invasion: genetic and phenotypic variation of remnant natives in greenhouse production (paper). International meeting Society for Range Management. Albuquerque, NM.
- Bartlett, F. P.*, A. L. Hild, *K. E. Bergum*, B. A. Mealor and T. Smith. 2009. Assessing Competitiveness of alkali sacaton genotypes exposed to invasive weeds (paper). International meeting Society for Range Management. Albuquerque, NM.
- Bartlett, F.*, A.L. Hild, B.A. Mealor, and T. Smith. 2008. Selection of alkali sacaton genotypes as competitors with Russian knapweed and Canada thistle. SERDP & ESTCP Partners in Environmental Technology Technical Symposium & Workshop. Washington D.C.
- Bergum, K.E.*, A.L. Hild, *F.P. Bartlett*, and B.A. Mealor. 2008. Genetic and phenotypic diversity of remnant invaded native grass after two generations (poster). Ecological Society of America Annual Meeting. Milwaukee, WI.
- Bartlett, F.*, A.L. Hild, B.A. Mealor, and T. Smith. 2008. Methods to select promising native grass genotypes as competitors with introduced invasive weed species (poster). Joint meeting; American Forage and Grassland Council and the Society for Range Management Annual Meetings. Louisville, KY.
- Bergum, K.E.*, A.L. Hild, B.A. Mealor, and T. Smith. 2008. Genetic variation within genotypes of two native grass species after two generations of greenhouse seed source improvement (poster). Joint meeting; American Forage and Grassland Council and the Society for Range Management Annual Meetings. Louisville, KY. Poster.
- Ferrero-Serrano, A., T. R. Collier, B. A. Mealor, A. L. Hild and T. Smith. 2007. Integrated application of biocontrol and native species for invasive plant control: implications for restoration ecology (paper). International Phytotechnologies Conference. Proceedings of the International Phytotechnology Society meetings. Denver, CO.
- Ferrero-Serrano, A., T. Smith, B. A. Mealor, T. Collier, S. Enloe, S.D. Miller and A.L. Hild. 2007. Combined action of a stem-boring weevil and native grass competition for control of Canada thistle (poster). Sustainable Military Readiness Conference. Orlando, FL.
- Mealor, B.A., C.L. Kinter, N.L. Shaw and A.L. Hild. 2007. Ecological characteristics of sites invaded by rush skeletonweed (*Chondrilla juncea*) on the Snake River Plain (paper). Society for Range Management 60th Annual Meeting. Reno/Sparks, NV.
- Ferrero-Serrano, A., T. Smith, B.A. Mealor, T. Collier, S. Enloe, S. Miller, and A.L. Hild. 2006. Combined Action of a stem-boring weevil and native grass competition for control of Canada thistle (*Cirsium arvense*) (paper). NatureServe Leadership Conference Proceedings. Baltimore, MD.
- Fererro-Serrano, A., A.L. Hild, B.A. Mealor, T. Collier, S.F. Enloe, S.D. Miller. 2006. Synergistic action of native plants and a stem boring weevil (*Ceutorhynchus litura*) for control of Canada

- thistle (*Cirsium arvense*) – an invasive weed (poster). Society for Range Management International Meetings. Vancouver, BC.
- Smith, T., B.A. Mealor, A. Ferraro-Serrano, A.L. Hild and T.R. Collier. 2006. Evaluation of selected native plant populations for competition against exotic weeds (poster). SERDP-ESTCP Partners in Environmental Technology Technical Symposium & Workshop. Washington, D.C.
- Tyrer, S.J., A.L. Hild, L.C. Munn, B.A. Mealor, S.F. Enloe. 2006. Soil chemical changes associated with Russian knapweed invasions (poster). Society for Range Management International Meetings. Vancouver, BC.
- Mealor, B.A. and A.L. Hild. 2006. There goes the neighborhood...or does it? Population resilience to exotic invasion (poster). Society for Range Management International Meetings. Vancouver, BC.
- Mealor, B.A., and A.L. Hild. 2006. Native plant population resilience to exotic invasion. UW Graduate Student Symposium (paper). Laramie, WY.
- Mealor, B.A. and A.L. Hild. 2004. Native plant population genetics response to long-term coexistence with Russian knapweed (paper). Society for Range Management National Meetings. Salt Lake City, UT.
- Mealor, B.A. and A.L. Hild. 2004. Can native plants become competitive with exotic weeds (poster)? Invasive Plants in Natural and Managed Systems. Fort Lauderdale, FL.
- Mealor, B.A. and A.L. Hild. 2004. When the going gets tough: native plant population response to long term weed invasion (paper). University of Wyoming Graduate School Research Symposium, Laramie, WY.
- Mealor, B. A., A. L. Hild, and N. L. Shaw. 2003. Native plant community response to long term invasion of *Centaurea repens* and *Cardaria draba*. Society for Range Management National Meetings (paper). Casper, WY.
- Mealor, B. A., A. L. Hild, and N. L. Shaw. 2002. Native plant community response to long-term invasion by *Centaurea repens* and *Cardaria draba* in Wyoming and Idaho, USA (paper). Biological Invasions in Terrestrial Ecosystems: An Evolutionary Perspective Workshop. Halle, Germany.
- Mealor, B. A., A. L. Hild, N. L. Shaw, and D. Kazmer. 2001. Do long-term weed infestations select for competitive natives? (poster) Great Basin Biological Research Conference. Provo, UT.
- Mealor, B. A., A. L. Hild, N. L. Shaw, and D. Kazmer. 2001. Do long-term weed infestations select for competitive natives? (poster) SRM-Wyoming Section Meeting. Casper, WY.

Invited extension and outreach presentations

- Mealor, B.A. 2022. Carbon credits and rangeland ecosystem services – A panel discussion. Public Lands Council. Cody, WY.
- Hart, M.T., B.A. Mealor. 2022. Emerging Invasive Threats: Working Toward Proactive Solutions Given Uncertain Futures. Sustainable Rangelands Roundtable. Wildfire and Invasive Species Workshop invited presentation. Jackson, WY.
- Hart M.T., Mealor B.A. 2022. Economics of Ventenata Control in Northeast Wyoming. University of Wyoming Extension – Sheridan office Medusanata Tour. Recluse, WY.

- Hart M.T., Mealor B.A. 2022. Ranch Economics of Ventenata Control in Northeast Wyoming. Sustainable Rangelands Roundtable Invited Presentation. Big Sky, MT.
- Hart M.T., Mealor B.A. 2022. Enterprise Budget Comparisons of Ventenata Control on a Private-Land Ranch of Northeast Wyoming (invited). U.S. Fish and Wildlife Service: What's Happening in the Sagebrush Invasives/Fire/Restoration Arena Across the Landscape.
- Cruse, J. A., B.A. Mealor. 2021. Understanding the Relationship between Integrated Seeding and Rejuvra: a Potential Tool for Future Restoration (invited). The Nature Conservancy Restoration Summit. Jackson, WY.
- Hart M.T., Mealor B.A. 2021. Medusahead and Ventenata: Two Newcomers in Wyoming and the Great Plains (invited). The Nature Conservancy Restoration Summit. The Nature Conservancy Restoration Summit. Jackson, WY.
- Mealor, B.A. 2019. Invasive Annual Grasses: A Wyoming Perspective. Western Governors' Association Working Lands Forum. Denver, CO.
- Mealor, B.A. 2018. Northeast Wyoming Invasive Grasses Working Group: A Landscape-Scale Cooperative for Managing Emerging Invasive Grasses. Federal Interagency Committee for the Management of Noxious and Exotic Weeds. Online webinar series.
- Mealor, B.A. 2018. Strategic management of annual grasses: a Wyoming perspective. National Grazing Lands Conference. Reno, NV.
- Mealor, B.A. 2018. Medusahead and ventenata in the Great Plains: What you need to know. BLM-AIM field training. Belle Fourche, SD.
- Mealor, B.A. 2018. Sea Change: How Invasive Annual Grasses are Changing Sagebrush Grasslands. Draper After Dark Seminar Series – Buffalo Bill Center of the West, Draper Museum of Natural History. Cody, WY.
- Mealor, B.A. 2018. Capitalizing on strategic opportunities: Lessons from the field. Online webinar in the "Moving the needle on cheatgrass" series from the Great Basin Fire Exchange Program and other partners. Available at:
<https://register.gotowebinar.com/register/480113136137305602>
- Wood, C.W., B.A. Mealor. 2017. Evaluating the use of Thresholds Concepts for Improving Habitat through Cheatgrass Management. Northeast Wyoming Habitat Improvement Workshop. Gillette, WY.
- Wood, C.W., B.A. Mealor. 2017. Evaluating the use of Thresholds Concepts for Improving Habitat through Downy Brome Management. Sublette County Weed and Pest. Pinedale, WY.
- Mealor, B.A. 2016 Strategic Cheatgrass Management in Sagebrush Ecosystems. Online webinar available at: https://www.youtube.com/watch?v=ehF_8x_asPc&feature=youtu.be.
- Maestas, J., Boyd, C., Mealor, B.A., and Kerby J. 2016 Western Governors Association Chairman's Initiative Webinar: Rangeland Management Tools and Strategies. presented online as a webinar available at <https://www.youtube.com/watch?v=aMZN142YdPQ&feature=youtu.be>.
- Mealor, B.A. 2016 Developing Public/Private Partnerships for Meaningful Research. Peregrine Leadership Services Mongolian Leadership Training. Gillette, WY.
- Mealor, B.A. 2016 Rangeland Restoration: Applied Ecology from a Systems Perspective. Sheridan College Science Museum Lecture Series. Sheridan, WY.

- Mealor, B.A. 2016 Strategic Management of Invasive Weeds. Petroleum Associate of Wyoming Annual Reclamation Conference. Casper, WY.
- Mealor, B.A. 2016 Strategic Cheatgrass Management in Wyoming. Powder River Conservation District Cheatgrass Management Workshop. Kaycee, WY.
- Mealor, B.A. 2016 Strategic Cheatgrass Management with Sage Grouse in Mind. Sage Grouse Implementation Team Meeting. Casper, WY.
- Mealor, B.A. 2016 Weed Management in Wyoming - An Overview. Montana Weed Control Association Southeastern Region Meeting. Baker, MT.
- Fowers, B.* and B.A. Mealor. 2015 Weed Management BMP's for Reclamation. Pinedale, WY.
- Noseworthy, C.E.* and B.A. Mealor. 2015 Wyoming Cheatgrass Prioritization. Sage Grouse Habitat Restoration Symposium, Casper, WY.
- Mealor, B.A. 2015 Managing Invasive Weeds with Sage Grouse in Mind. Sage Grouse Habitat Restoration Symposium, Casper, WY
- Mealor, B.A. 2015 Applying Threshold Concepts to Cheatgrass Management. Saratoga, WY.
- Noseworthy, C.E.* and B.A. Mealor. 2015 Cheatgrass Distribution and Management Prioritization in Wyoming. Wyoming Governor's Subcabinet on Energy and Natural Resources, Cheyenne, WY.
- Mealor, B.A. 2014. Evaluating wildlife habitat and calculating similarity indices. Wyoming FFA Western National Range Career Development Event Training. Casper, WY.
- Fowers, B.* and B.A. Mealor. 2014. Identification of rangeland weeds. Southeast Commercial Pesticide Applicator Training. Wheatland, WY.
- Rose, W.C.* and B.A. Mealor. 2014. Identification of rangeland weeds. Northeast Commercial Pesticide Applicator Training. Sundance, WY.
- Workman, J.W.* and B.A. Mealor. 2014. Effects of defoliation on Dalmatian toadflax and four native grasses. Nebraska Weed Control Association Spring Training. Hastings, NE.
- Workman, J.W., W.C. Rose* and B.A. Mealor. 2014. Early detection rapid response and the use of EDDMaPs. Nebraska Weed Control Association Spring Training. Hastings, NE.
- Rose, W.C.* and B.A. Mealor. 2014. Using germination differences to remove downy brome from reclamation seed. Nebraska Weed Control Association Spring Training. Hastings, NE.
- Rose, W.C.* and B.A. Mealor. 2014. A novel method for preventing cheatgrass in reclamation seed. Cheatgrass Management and Field Tour. Torrington, WY.
- Noseworthy, C.E.* and B.A. Mealor. 2014. Wyoming cheatgrass distribution and prioritization project. Cheatgrass Management and Field Tour. Torrington, WY.
- Mealor, B.A. 2014. Strategic Management of Cheatgrass. Cheatgrass Management and Field Tour. Torrington, WY.
- Mealor, B.A. 2014. Cheatgrass biology and impacts. Cheatgrass Management and Field Tour. Torrington, WY.
- Mealor, B.A. 2014. Weed Management: An important part of ranch sustainability. Ranch Sustainability Forum. Sheridan, WY.
- Mealor, B.A. 2014. Cheatgrass Ecology and Management – Research in Wyoming. Rawlins BLM Office Brown Bag Seminar Series. Rawlins, WY.
- Fowers, B.* and B.A. Mealor. 2014. New weed occurrences in Wyoming. Wyoming Weed Management Association. Casper, WY.

- Mealor, B.A. 2014. New resources for weed managers. Wyoming Weed Management Association. Casper, WY.
- Noseworthy, C.E.* and B.A. Mealor. 2014. Wyoming Cheatgrass Assessment and Prioritization. Wyoming Weed Management Association. Casper, WY.
- Mealor, B.A. 2014. Cooperative weed management areas for smaller acreages. Wyoming Weed Management Association. Casper, WY.
- Mealor, B.A. and R.D. Mealor. 2014. Understanding how principles of range management affect rangeland weed control – Train the Trainer for Herbicide Industry Reps. Laramie, WY.
- Mealor, B.A. 2014. Rangeland Weed Management – Train the Trainer for Extension Educators. Laramie, WY.
- Mealor, B.A. 2013. Managing Grazing to Manage Weeds. Wyoming Stockgrowers Association Progressive Rancher's Forum. Casper, WY.
- Mealor, B.A. 2013. Managing Weeds in Range and Pasture. National Cattleman's Beef Association Young Cattlemen's Conference. Denver, CO.
- Mealor, B.A. 2013. Reclamation of Disturbed or Degraded Rangelands – Principles and Practices. Sheridan R&E Center Field Day. Sheridan, WY.
- Mealor, B.A. 2013. Weed Management Tools – Options for Control. Strategic Weed Assessment and Management Program Workshop. Ucross, WY.
- Mealor, B.A. 2013. Methods for Evaluating Vegetation and Prioritizing Areas for Management. Strategic Weed Assessment and Management Program Workshop. Ucross, WY.
- Mealor, B.A. 2013. A Systems-Approach to Managing Weeds. Rock River CRM Targeted Grazing Workshop. Rock River, WY.
- Mealor, B.A. 2013. Strategic Weed Management – An Overview. Strategic Weed Assessment and Management Program Workshop. Ucross, WY.
- Mealor, B.A. 2013. Basics of Vegetation Monitoring. Wyoming Rangeland Rendezvous. Ft. Bridger, WY.
- Mealor, B.A. 2013. Weed Management and Drought. Drought Management Workshop. Upton, WY.
- Mealor, B.A. 2013. Weed Management and Drought. Drought Management Workshop. Gillette, WY.
- Mealor, B.A. 2013. Weed Management in Reclamation. Idaho, Wyoming, Utah Tri-state Range Meeting. Soda Springs, ID.
- Mealor, B.A. 2013. Cheatgrass Management in Wyoming. Wyoming Association of Conservation Districts Area V Meeting. Lyman, WY.
- Mealor, B.A. 2013. Cheatgrass Management Options and Expected Results. Cheatgrass Workshop and Field Tour. Douglas, WY.
- Mealor, B.A. 2013. Cheatgrass Management Options and Expected Results. Cheatgrass Workshop and Field Tour. Meeker, CO.
- Mealor, B.A. 2013. Cheatgrass Management Options and Expected Results. Cheatgrass Workshop and Field Tour. Pinedale, WY.
- Mealor, B.A. 2013. Wyoming Weed Science Research Update. Wyoming Weed and Pest Council Meeting. Jackson, WY.

- Mealor, B.A. 2013. Collecting Vegetation Data for Invasive Plant Management. Wyoming Game and Fish Habitat Enhancement Event. Saratoga, WY.
- Mealor, B.A. 2013. Managing Weeds in Range and Pasture. DuPont Technical Webinar on Invasive Plant Management – High Plains and Intermountain West.
- Mealor, B.A. 2013. Managing Weeds in Range and Pasture. DuPont Technical Webinar on Invasive Plant Management – Pacific Northwest.
- Mealor, B.A. 2013. Managing Weeds in Range and Pasture. DuPont Technical Webinar on Invasive Plant Management – Southwestern States.
- Noseworthy, C.E.* and B.A. Mealor. 2013. Wyoming Cheatgrass Prioritization Project. SER Conservation District Winter Meeting. Saratoga, WY.
- Mealor, B.A. 2013. Restoration Remix – Have Old Ideas Become New Again? Department of Plant Sciences Seminar Series. Laramie, WY.
- Noseworthy, C.E.* and B.A. Mealor. 2013. Wyoming Cheatgrass Prioritization Project. Wyoming Cheatgrass Task Force Meeting. Casper, WY.
- Mealor, B.A. 2013. Collecting Vegetation Data for Weed Management. Wyoming Weed and Pest Spring Workshop. Lander, WY.
- Mealor, B.A. and A.R. Kniss. 2013. Herbicide Resistant Plants – Current Status and Potential Problems. Defining and Refining Your Reclamation Success Workshop. Casper, WY.
- Fowers, B.* and B.A. Mealor. 2013. Developing Weed Management Strategies to Improve Reclamation Success. Defining and Refining Your Reclamation Success Workshop. Casper, WY.
- Burnett, S.A.* and B.A. Mealor. 2013. Weeds on the Move – Weeds to Watch for. Wyoming Weed Management Association. Casper, WY.
- Noseworthy, C.E.* and B.A. Mealor. 2013. Spatial Variability in Saltcedar Control – Possible Explanations. Wyoming Weed Management Association. Casper, WY.
- Mealor, B.A. 2013. Reclamation and Weed Management. Wyoming Weed Management Association. Casper, WY.
- Mealor, B.A. 2013. University of Wyoming Range Weed Research Update. Wyoming Weed Management Association. Casper, WY.
- Mealor, B.A. 2012. Ecology and Management of Cheatgrass. Natural Resources Rendezvous, Progressive Rancher Forum (WSGA, WACD, WYSRM). Casper, WY.
- Mealor, B.A. 2012. New and Potentially New Weeds in Wyoming. Wyoming Weed and Pest Fall Conference. Casper, WY.
- Mealor, B.A. 2012. Wyoming Invasive Species Education Team. Wyoming Weed and Pest Fall Conference. Casper, WY.
- Mealor, B.A. 2012. Integrating Targeted Grazing with Other Weed Control Methods. Extension In-Depth Training. Laramie, WY.
- Mealor, B.A. 2012. EDDMaPs – a free voluntary weed mapping and data sharing tool. Wyoming Weed and Pest Fall Conference. Casper, WY.
- Mealor, B.A. 2012. Current state of cheatgrass control on rangelands. Cheatgrass Management Panel Discussion. Wyoming Weed and Pest Fall Conference. Casper, WY.
- Mealor, B.A. and R.D. Mealor. 2012. Vegetation Monitoring for Pre-disturbance Inventory. Wyoming Reclamation School. Rock Springs, WY.

- Mealor, B.A., A.R. Kniss, *B. Greet, H. Hergert and B. Fowers*. 2012. University of Wyoming Aminocyclopyrachlor Research Update. Denver, CO.
- Mealor, B.A. 2012. Invasive Grasses of the Southwest. Southwest Noxious Weed Short Course. Farmington, NM.
- Mealor, B.A. 2012. Herbicide Resistance and How to Avoid It. Southwest Noxious Weed Short Course. Farmington, NM.
- Mealor, B.A. 2012. Russian Olive and Saltcedar Management in Wyoming. Western Regional Pesticide Meeting. Cody, WY.
- Mealor, B.A. and R.D. Mealor. 2012. Vegetation Monitoring for Pre-disturbance Inventory. Wyoming Reclamation School. Ucross, WY.
- Mealor, B.A. 2012. Invasive Weeds on Wyoming's Rangelands. Annual SW Wyoming Pesticide Applicator Training. Rock Springs, WY.
- Mealor, B.A. 2012. Incorporating Weed Mapping into a Ranch Assessment. Rangeland Vegetation Rendezvous. Laramie, WY.
- Fowers, B.* and B.A. Mealor. 2012. Right-of-way weed control, Range weeds. Commercial Pesticide Applicator's Training. Wheatland, WY.
- Mealor, B.A. 2012. Herbicides: Choices and Signs of Injury. Annual SW Wyoming Pesticide Applicator Training. Rock Springs, WY.
- Mealor, B.A. 2012. Principles of Weed Control in Reclamation. Reclamation 101 Workshop. Vernal, UT.
- Mealor, B.A. 2012. Wyoming Weed Science Update. Wyoming Weed and Pest Spring Workshop. Pinedale, WY.
- Mealor, B.A. 2012. Invasive Species and Small Acreage Development. Sheridan College Natural Resource Seminar Series. Sheridan, WY.
- Hergert, H.J.*, B.A. Mealor and A.R. Kniss. 2012. Seedling response of desirable species to aminocyclopyrachlor. Wyoming Plant Materials Committee Annual Meeting. Casper, WY.
- Kraft, J., B.A. Mealor and R.D. Mealor. 2012. Cheatgrass biology and ecology in Wyoming. Strategic management of cheatgrass in range and pastures workshop. Pinedale, WY.
- Mealor, B.A. 2012. Cheatgrass management strategies. Strategic management of cheatgrass in range and pastures workshop. Pinedale, WY.
- Mealor, B.A. 2012. Chemical control of cheatgrass in range and pasture. Strategic management of cheatgrass in range and pastures workshop. Pinedale, WY.
- Mealor, B.A. 2012. Chemical control of cheatgrass, bulbous bluegrass and foxtail barley in range and pasture: - current options. Grassy Weeds Workshop. Gillette, WY.
- Mealor, B.A. 2011. Right-of-way Weed Control. Commercial Pesticide Applicators Training. Laramie, WY.
- Mealor, B.A. 2011. Invasive Weed Management in Rangelands. Commercial Pesticide Applicators Training. Laramie, WY.
- Mealor, B.A. 2011. Weed Science Update. Van Diest Supply Company Seminar and Workshop. Cheyenne, WY.
- Mealor, B.A. 2011. Cheatgrass control. Wyoming Stock Growers Association Annual Meeting. Casper, WY.

- Mealor, B.A. 2011. Monitoring rangelands for invasive species management. Wyoming Society for Range Management/Wyoming Association of Conservation Districts Joint Meeting. Lander, WY.
- Mealor, B.A. 2011. University of Wyoming Weed Science Update. Wyoming Weed and Pest Council Fall Conference. Gillette, WY.
- Hergert, H.J.*, B.A. Mealor and A.R. Kniss. 2011. Seedling response of desirable species to aminocyclopyrachlor. Wyoming Weed and Pest Council Fall Conference. Gillette, WY.
- Greet, B.*, B.A. Mealor and A.R. Kniss. 2011. Control of duncecap larkspur with aminocyclopyrachlor. Wyoming Weed and Pest Council Fall Conference. Gillette, WY.
- Mealor, B.A. 2011. Weed identification and Management. Wyoming Department of Agriculture Technical Services Training. Laramie, WY.
- Mealor, B.A. 2011. Evaluating recovery potential in the field. Strategic management of cheatgrass in range and pastures workshop. Wheatland, WY. may be viewed at:
<http://www.youtube.com/watch?v=OVAiLRCQuI8>
- Mealor, B.A. 2011. Cheatgrass management strategies. Strategic management of cheatgrass in range and pastures workshop. Wheatland, WY. may be viewed at:
<http://www.youtube.com/watch?v=AzAk8Mx3zLw>
- Mealor, B.A. 2011. Chemical control of cheatgrass in range and pasture. Strategic management of cheatgrass in range and pastures workshop. Wheatland, WY. may be viewed at:
<http://www.youtube.com/watch?v=5VVOnauS7gY>
- Altermatt, J., B.A. Mealor and S. Franklin. 2011. Management of woody riparian invaders and cheatgrass in Wyoming. Wyoming Wildlife and Natural Resources Trust Fund Board Meeting. Saratoga, WY.
- Mealor, B.A. 2011. Early Detection Rapid Response Weeds – ID and Management. Detect-Assess-Respond Training. Torrington, WY.
- Mealor, B.A. and T. Ziehl. 2011. Early Detection Rapid Response Weeds – ID and Management. Detect-Assess-Respond Training. Jackson, WY.
- Mealor, B.A. 2011. Identification and Management of Rangeland Weeds. Wyoming Ag Business Convention. Buffalo, WY.
- Mealor, B.A. 2011. New Developments in Rangeland Weed Control. Wyoming Ag Business Convention. Buffalo, WY.
- Mealor, B.A. H.J. Hergert and A.R. Kniss. 2011. Wyoming Aminocyclopyrachlor Rangeland Weed Research Update. Salt Lake City, UT.
- Mealor, B.A. and R.D. Mealor. 2011. Post-reclamation vegetation assessment and monitoring. American Youth Leadership Program with Mongolia. Ereen, Mongolia.
- Mealor, R.D. and B.A. Mealor. 2011. Vegetation monitoring techniques and How to Apply Them. American Youth Leadership Program with Mongolia. Selenge Aimag, Mongolia.
- Mealor, B.A. and R.D. Mealor. 2011. Principles of successful reclamation. American Youth Leadership Program with Mongolia. Baganuur, Mongolia.
- Mealor, R.D. and B.A. Mealor. 2011. Reclamation principles in North America and Mongolia: potential for success. American Youth Leadership Program with Mongolia. Ulaanbaatar, Mongolia.
- Mealor, B.A. 2011. Factors affecting herbicide uptake, range and right-of-way weed control, crop weed control. Area-wide Pesticide Applicator Training. Wheatland, WY.

- Mealor, B.A. 2011. Principles of Weed Control in Reclamation. Reclamation 101 Workshop. Cheyenne, WY.
- Mealor, B.A. 2011. The basics of plant identification and weed impacts. Wyoming Conservation Corps Orientation. Vedauwoo, WY.
- Mealor, B.A. 2011. Principles of Weed Control in Reclamation. Reclamation 101 Workshop. Ft. Washakie, WY.
- Mealor, B.A. and R.D. Mealor. 2011. Using grazing as a tool for vegetation management. Weed and Pest Educational Series. Pinedale, WY.
- Mealor, B.A. 2011. Cheatgrass in Wyoming: an overview. Wyoming Weed Management Association Annual Meeting, Casper, WY.
- Mealor, B.A. 2011. Rangeland Weed Research Update. Wyoming Weed Management Association Annual Meeting, Casper, WY.
- Hergert, H.J.* and B.A. Mealor. 2011. Wyoming Weed Watchlist. Wyoming Weed Management Association Annual Meeting, Casper, WY.
- Mealor, B.A. 2011. Applying Systems Thinking to Invasive Weed Management. Wyoming Weed and Pest Council Spring Workshop. Buffalo, WY.
- Mealor, B.A. 2011. Principles of Weed Control in Reclamation. Reclamation 101 Workshop. Kemmerer, WY.
- Mealor, B.A. 2011. Principles of Weed Control in Reclamation. Reclamation 101 Workshop. Worland, WY.
- Mealor, R.D. and B.A. Mealor. 2011. Agricultural history and the future. University of Wyoming FFA Club. Laramie, WY.
- Mealor, B.A. 2010. Principles of Weed Control in Reclamation. Reclamation 101 Workshop. Laramie, WY.
- Mealor, B.A. 2010. Wyoming rangeland weed research update. Wyoming Weed and Pest Council Fall conference. Thermopolis, WY.
- Mealor, B.A. 2010. Principles of Weed Control in Reclamation. Reclamation 101 Workshop. Cody, WY.
- Mealor, B.A. 2010. Principles of Weed Control in Reclamation. University of Wyoming Cooperative Extension In-Depth Training, Laramie, WY.
- Mealor, B.A. 2010. Pre-disturbance inventory: Risk assessment for invasive weeds. Reclamation 201 Workshop. Rock Springs, WY.
- Mealor, B.A. 2010. Invasive weeds and the sagebrush ecosystem. NRCS Sagebrush Workshop. Lander, WY.
- Mealor, B.A. 2010. Aminocyclopyrachlor research update – Wyoming Rangeland Weeds. DuPont Research Summit. Denver, CO.
- Mealor, B.A. and J. Kraft. 2010. Identification of WY noxious weeds. Detect-Assess-Respond Training. Big Piney, WY.
- Mealor, B.A. 2010. Integrated Weed Management – importance of calibration. Small ruminant grazing workshop. Baggs, WY.
- Mealor, B.A. and R.D. Mealor. 2010. Performing a vegetation inventory. Voices of the Valley Field Days. Saratoga, WY.

- Mealor, B.A. and R. Lockman 2010. Identification of forbs and shrubs. Wyoming Youth Resource Education Days. Hillsdale, WY.
- Mealor, B.A. 2010. Plant identification. Heart Mountain Community Hike. Powell, WY.
- Mealor, B.A. 2010. Crop Weed Control, Right-of-way weed control, Range weeds. Commercial Pesticide Applicator's Training. Wheatland, WY.
- Mealor, B.A. 2010. Rangeland Weed Management Update. Jackson Hole Weed Management Association. Jackson, WY.
- Mealor, R.D. and B.A. Mealor. 2010. Ecology and Management of Cheatgrass in Wyoming. Albany County Farm Bureau. Harmony, WY.
- Mealor, B.A., R. Gullion, R. Amundson. 2010. Assessing potential impacts of invasive weeds on sage grouse habitat. NRCS sage-grouse habitat workshop. Casper, WY.
- Mealor, B.A. 2010. Principles of Weed Control in Reclamation. Reclamation 101 Workshop. Buffalo, WY.
- Mealor, B.A. 2010. Principles of Weed Control in Reclamation. Reclamation 101 Workshop. Pinedale, WY.
- Mealor, B.A. and R.D. Mealor. 2010. Cheatgrass Ecology and Management on Wyoming's Rangelands. Cody, WY.
- Mealor, B.A. and R.D. Mealor. 2010. Ecology and Management of Cheatgrass in Wyoming. Powell, WY.
- Mealor, B.A. 2010. Early Detection/Rapid Response for weed management. BLM Integrated Pest Management Training. Lakewood, CO.
- Mealor, R.D. and B.A. Mealor. 2010. Sagebrush Management on Wyoming's Rangelands. Jonah Interagency Field Office. Pinedale, WY.
- Mealor, B.A. 2009. University of Wyoming Weed Science Update. Wyoming Weed Management Association Annual Rendezvous. Casper, WY.
- Mealor, R.D. and B.A. Mealor. 2009. Practical applications for cheatgrass management. Rocky Mountain Cheatgrass Management Project Workshop. Cheyenne, WY.
- Mealor, B.A. 2009. University of Wyoming Weed Science Update. Wyoming Weed and Pest Council / Wyoming Association of Conservation Districts fall Conference. Cheyenne, WY.
- Mealor, B.A. 2009. Weed control in reclamation. Carbon County Reclamation 101 School, Rawlins, WY.
- Mealor, B.A. 2007. Native plant response to invaders. Wyoming Weed Management Association First Rendezvous. Casper, WY.

PROFESSIONAL MEMBERSHIPS

Memberships: Society for Range Management, Wyoming Weed Management Association, Western Society of Weed Science, Gamma Sigma Delta Agricultural Honor Society, Phi Kappa Phi Academic Honor Society

PROFESSIONAL SERVICE

National/International activities

Co-chair, Western Society of Weed Science Invasive Species Committee. 2019-present.
Research Chair (Board Member), Western Society of Weed Science 2018-2020.

Associate Editor, Rangeland Ecology and Management journal. 2015-2019.
Member, Society for Range Management Advisory Council. 2012-14.
Member, WAFWA Wildfire & Invasive Species Sage Grouse Range-wide Working Group. 2013-14.
Member/Chair, Finance Committee, Western Society of Weed Science. 2012-14.
Chair, Rangeland Invasive Species Committee, Society for Range Management 2012-13.
Member, The Nature Conservancy Great Plains Initiative. 2009. Rangeland Management Team.
Reviewer/Contributor, Gunnison Sage Grouse Rangewide Conservation Plan. 2005. Threats from Noxious Weeds Section.
Co-Developer and Co-Chair of the SRM Rangeland Cup Competition. 2006-present. Collaborative, creative problem solving competition for graduate and undergraduate students.
Presenter, European Science Foundation. 2002. Biological Invasions in Terrestrial Ecosystems: An Evolutionary Perspective, Halle, Germany.
Invited Moderator, Wildland Shrub Consortium. 2002. Wildland Shrub Symposium, Laramie, WY.

Associate Editor for: Rangeland Ecology and Management
Reviewer for: Invasive Plant Science and Management, Weed Science, Rangeland Ecology and Management, Journal of Arid Environments, Molecular Ecology, Ecological Restoration

State of Wyoming Activities

Member, Sheridan College Agriculture Advisory Board. 2015-present.
Founding Member, Northeast Wyoming Invasive Grasses Working Group
President, Society for Range Management, Wyoming Section. 2013-14.
President-Elect, Society for Range Management, Wyoming Section. 2012-13.
Member, Wyoming Pesticide Board of Certification. 2012- 2016.
Member, Wyoming Cheatgrass Task Force, 2012-present.
Member, Wyoming Invasive Species Education Team, 2011-13.
Member, Wyoming Cooperative Ag Pest Survey Advisory Group, 2009-present.
Member, Wyoming State Weed Team, 2009-Present.
Member, Wyoming CRM Program Executive Committee. 2008-2012.
Member, Wyoming Governor's Non-Point Source Task Force. 2008-2011.
Member, Wyoming Plant Materials Committee. 2007-present.

University of Wyoming Activities

Member, Forage Weed Scientist Search Committee. 2022.
Member, Extension Weed Specialist Search Committee. 2021.
Member, UW Centers and Institutes Task Force. 2021-present.
Chair, Plant Breeding Faculty Search Committee. 2019.
Member, Biodiversity Institute Task Force. 2019-present.
Member, University of Wyoming Engagement Task Force. 2019-present.
Member, College of Ag and Natural Resources Dean Search Committee. 2019.
Facilitator, UW Partnership Summit. 2018.
Chair, Agronomic Weed Science Faculty Search Committee. 2018.
Interim Assistant Director of Extension and AES. 2018.
Chair, Department of Plant Sciences Strategic Planning Committee. 2017.

Member, WAES Strategic Planning Committee. 2017.
 Member, UW CoANR Strategic Planning Committee. 2017.
 Co-chair, Department of Plant Sciences Budget and Space Committee. 2013-2015.
 Co-advisor, University of Wyoming Range Club. 2013-2016.
 Member, Sheridan Agriculture and Extension Center Strategic Plan Development Team. 2013.
 Member, Department Head Search Committee. 2013.
 Member, Agronomic Weed Science Position (PREC) Search Committee. 2013.
 Member, SAREC Advisory Committee. 2011-present.
 Member, AES-LREC Forage Resources Management Team. 2011-present.
 Member, Master Gardener Search Committee. 2011.
 Member, Annual UW Extension Training (EPIC) Planning Committee. 2011.
 Member, University of Wyoming Ecological Simulation Laboratory Steering Committee. 2009-11.
 Undergraduate Range Management Exam (URME) Coach, Dept. of Renewable Resources. 2005-2007. Led team to 1st place finish in international competition.

GRANTS and FUNDING

Awarded Proposals

KMB Seeds and GreenCover. 2022.	- \$7,680
"Sunn hemp germplasm performance under semi-arid and humid-continental climates" – Donna K. Harris and Brian A. Mealor	
Pheasants Forever. 2022.	- \$300,000
"Invasive Annual Grass Tech Transfer Partnership" – Brian A. Mealor, Jeremy Maestas, Lindy Garner, Mandi Hirsch	
US Fish and Wildlife Service. 2022.	- \$300,000
"Invasive Annual Grass Tech Transfer Partnership" – Brian A. Mealor, Jeremy Maestas, Lindy Garner, Mandi Hirsch	
USDA-NRCS. 2022.	- \$31,693
"Evaluating effects of grazing deferment following indaziflam application in northeast Wyoming" – Brian A. Mealor	
Wyoming Department of Agriculture. 2021.	- \$42,109
"Assessing native legumes for environmental landscaping and horticulture through plant toxicity surveys and field studies" – Kristina Hufford, Brian A. Mealor, Beth Fowers	
Wyoming Weed and Pest Council. 2020.	- \$30,000
"Current and potential future economic impacts of invasive weeds in Wyoming – a pilot study" – Brian A. Mealor, John Ritten, Brian Lee	
Wyoming Wildlife and Natural Resources Trust. 2020.	- \$53,200
"Invasive Annual Grass Treatment Monitoring Network" – Brian A. Mealor	
Wyoming Game and Fish. 2020.	- \$45,000
"Invasive Annual Grass Treatment Monitoring Network" – Brian A. Mealor and Jaycie Arndt	
Wyoming Weed and Pest Council. 2020.	- \$45,000
"Invasive Annual Grass Treatment Monitoring Network" – Brian A. Mealor and Jaycie Arndt	
US Fish and Wildlife Service. 2020.	- \$150,000

“Enhanced regional decision making for invasive grass management” – Brian A. Mealor and Daniel Tekiela	
Wyoming Game and Fish Department. 2019.	- \$24,500
“Opening the sagebrush establishment window: Reducing grass competition for sagebrush seedlings” – Brian A. Mealor and Jodie. A. Crose.	
Bureau of Land Management. 2019.	- \$83,986
“NEW Native Plants: A cooperative program to enhance availability and use of native plant materials suited to northeast Wyoming” – Brian A. Mealor, Mae Smith, Beth Fowers.	
The Nature Conservancy in Wyoming. 2019.	- \$5,000
“Development of Ecological Sites in Wyoming” – Brian A. Mealor	
Various Sponsors. 2018.	- \$27,000
USDA-NRCS. 2017	- \$184,000
“Conservation practices to reduce environmental and economic impacts of invasive species: An economic assessment” – Kristie Maczko, John Tanaka, Brian Mealor	
Natural Resources Conservation Service. 2017.	- \$169,720
“Development of Ecological Sites in Wyoming” – Brian A. Mealor	
Wyoming Game and Fish Department. 2017.	- \$47,000
“Evaluating the use of threshold concepts for improving habitat management in Wyoming: Phase II” – Brian A. Mealor and Clay W. Wood	
Various Sponsors. 2017.	- \$20,000
Wyoming Game and Fish Department. 2016.	- \$33,000
“Evaluating the use of threshold concepts for improving habitat management in Wyoming” – Brian A. Mealor	
US. Fish and Wildlife Service. 2016.	- \$200,000
“Evaluating Strategic Weed Management to Reduce Pesticide Use and Improve Effectiveness on F.E. Warren Air Force Base” – Brian A. Mealor and D. Tekiela	
Sublette County Weed and Pest. 2015.	- \$10,000
“Evaluating the use of threshold concepts for improving habitat management in Wyoming” – Brian A. Mealor	
Natural Resources Conservation Service. 2015.	- \$102,554
“Development of Ecological Sites in Wyoming” – Brian A. Mealor	
Wyoming Weed and Pest Council. 2014.	- \$ 21,500
“Assistant Research Scientist – Weed Science Support”	
USDA National Institute of Food and Agriculture. 2014.	- \$200,550
“University of Wyoming Extension Service IPM Coordination Project” – Scott P. Schell, Alexandre V. Latchininsky, Brian A. Mealor, John Connett, Scott Cotton.	
State of Wyoming. 2014.	-\$55,000
“Wyoming Invasive Grass Initiative” – Brian A. Mealor	
Various Sponsors. 2014.	- \$10,000
Bureau of Land Management. 2013.	- \$10,000
“Statewide Assessment and Prioritization of Cheatgrass in Wyoming” – Brian A. Mealor	
Wyoming Reclamation and Restoration Center Graduate Assistantship. 2013.	- \$30,264
“Using differential germination requirements to prevent cheatgrass infestations in reclamation” – Brian A. Mealor	

SAREC Graduate Assistantship Program. 2013.	-\$32,858
“Winter forage crops as a supplement to corn stalk grazing in an integrated crop/livestock system in southeast Wyoming” – Andrew Kniss, Brian A. Mealor, Anowar Islam, Augustin Obour, Steve Paisley, David Claypool.	
USDA National Institute of Food and Agriculture. 2013.	- \$229,400
“University of Wyoming Extension Service IPM Coordination Project” – Scott P. Schell, Alexandre V. Latchininsky, Brian A. Mealor, John Connett.	
Various Sponsors. 2013.	- \$52,500
Wyoming Weed and Pest Council. 2013.	- \$13,790
“Statewide Assessment and Prioritization of Cheatgrass in Wyoming” – Brian A. Mealor	
UW Agricultural Experiment Station Competitive Grant. 2012.	- \$34,600
“Strategic Cheatgrass Management in Wyoming: Landscape-Scale Prioritization and Evaluation of Targeted Grazing” – Brian A. Mealor, Rachel D. Mealor (ESM), Cara Noseworthy	
Wyoming Reclamation and Restoration Center Graduate Assistantship. 2012.	- \$50,000
“Strategic Cheatgrass Management in Wyoming: Landscape-Scale Prioritization” – Brian A. Mealor	
Various Sponsors. 2012.	- \$39,700
USDA National Institute of Food and Agriculture. 2011.	- \$122,000
“Extension Integrated Pest Management Coordination and Support Program” – Scott P. Schell, Alexandre V. Latchininsky, Brian A. Mealor	
Various Sponsors. 2011.	- \$28,200
Bureau of Land Management. 2011.	- \$30,000
“Experimental Herbicide Effects on Weed Competition” – Brian A. Mealor, Andrew R. Kniss, Anowar Islam	
University of Wyoming Global Perspectives Grant. 2010.	- \$4000
“Internationalization of extension, research and teaching programs in rangeland management, invasion ecology and reclamation science” – Brian A. Mealor, Rachel D. Mealor (Renewable Resources)	
University of Wyoming School of Energy Resources Matching Grant. 2010.	- \$85,000
“Developing weed management strategies to improve desirable species establishment in reclamation of disturbed lands” – Brian A. Mealor, Andrew R. Kniss, Anowar Islam	
DuPont Crop Protection Research Grant. 2010.	- \$90,000
“Developing weed management strategies to improve desirable species establishment in reclamation of disturbed lands” – Brian A. Mealor , Andrew R. Kniss, Anowar Islam	
UW Agricultural Experiment Station Competitive Grant. 2010.	- \$28,197
“A Systems Approach for Restoring Cheatgrass Dominated Rangelands” – Brian A. Mealor, Rachel D. Mealor (Renewable Resources), Andrew R. Kniss	
UW Agricultural Experiment Station Competitive Grant. 2010.	- \$52,729
“Carbon-rich Soil Amendments for Ecological Restoration of Drastically Disturbed Rangeland Sites” – Jay Norton, Brian A. Mealor, Matt Anderson, Peter Stahl, Jennifer Faulkner	
Apache Corporation Research Partnership. 2010.	- \$30,000
“Developing weed management strategies to improve desirable species establishment in reclamation of disturbed lands” – Brian A. Mealor, Andrew R. Kniss, Anowar Islam	
Various Sponsors. 2010.	– \$39,264
UW Major Equipment Grant. 2010.	- \$21,120

“Growth Chambers for Plant Science Research” - Kniss, A.R., G. Franc, A. Islam, U. Norton, B.A. Mealor and K. Belden

Other Awarded Proposals (prior to current appointment at UW)

National Fish & Wildlife Foundation. 2009. Bull Lake Creek Fisheries Enhancement. – Brian A. Mealor

Foundation for Sustainability and Innovation Project Grant, 2008. Rangeland Conservation Internship Program. – Brian A. Mealor

Water for Wildlife Foundation Project Grant, 2008. Derby Springs and Dry Lake water developments. – Brian A. Mealor

USDA-NRI Research Grant. 2008. “Ecological and Economic Risk Assessment Decision Tool for Management of *Bromus tectorum* Invasions” – Cooperator Brian A. Mealor; PI Cynthia Brown, Colorado State University.

USDA-CSREES Research Grant, 2003. “Using exotic weed invasions to select competitive native grasses” –Co-Author Brian A. Mealor; PI Ann Hild

USDOD Research Grant, 2003. “Effectiveness of Selected Native Plants as Competitors with Non-indigenous and Invasive Knapweed and Thistle Species” –Co-Authors Brian A. Mealor, Ann Hild; PI Thomas Smith, U.S. Army/CERL.

Ecological Society of America Travel Grant, 2004.

University of Wyoming Travel Grants, 2002, 2003, 2005.

Sample Proposals submitted but not awarded

NSF. 2022. “Robotics technology for automated pasture improvement” – David Wettergreen, George Kantor, Brian A. Mealor

USDA-NIFA. 2021. “Should we harvest the weeds? Understanding how biodiversity impacts forage crop productivity and nutritive value” – Andrew Kniss, Randa Jabbour, Anowar Islam, Brian A. Mealor

USDA-AFRI. 2014. “Halogeton Suppression Using Native Annual Plants” – Paul Meiman, Brian A. Mealor, Troy Ocheltree, Mark Paschke, George Beck, Joe Brummer.

School of Energy Resources Major Equipment Purchase Grant. 2012. Kristina Hufford, Melanie Murphy and Brian A. Mealor.

University of Wyoming Agricultural Experiment Station Competitive Grant. 2011. “Short-term goat pasturing to enhance reclamation on drastically disturbed terrestrial surfaces” – Stephen E. Williams, Lani J. Malmberg, Brian A. Mealor, Justin D. Derner, Dannelle E. Peck.

Wyoming Reclamation and Restoration Center Graduate Assistantships. 2011. “Strategic restoration of cheatgrass-dominated rangelands in Wyoming.” Brian A. Mealor, Lyle King, Jerry Altermatt, Chris Aimone, Rachel Mealor, Ramesh Sivanpillai.

University of Wyoming School of Energy Resources Matching Grant. 2010. “Short-term goat pasturing to enhance reclamation on drastically disturbed terrestrial surfaces” – Stephen E. Williams, Lani J. Malmberg, Brian A. Mealor, Justin D. Derner.

USDI – Office of Surface Mining. 2010. “Preventing the establishment of invasive species through the creation of resistant communities – Cheatgrass as a model” – Catherine Tarasoff, Tom Pypker, Brian A. Mealor, Co-PI’s.

University of Wyoming Agricultural Experiment Station Competitive Grant. 2009. "Evaluation of native plant materials for cheatgrass restoration in Wyoming" Brian A. Mealor with Rachel Mealor Co-PI's.

Student Mentorship

Graduate Student Award Recipients

Jodie Crose – 2nd place oral presentation in Weeds of Range, Forestry, and Natural Areas, Western Society of Weed Science 2022, Newport Beach, CA.

Jodie Crose – 1st place oral presentation in Weeds of Range, Forestry, and Natural Areas, Western Society of Weed Science, 2020, Maui, HI.

Julia Workman – 1st place poster presentation in Weeds of Range and Agronomic Crops, Western Society of Weed Science 2014, Colorado Springs, CO.

Beth Fowers – 2nd place PhD poster, Society for Range Management 2013, Oklahoma City, OK.

Brandon Greet – 2nd place oral presentation in Weeds of Range and Agronomic Crops, Western Society of Weed Science 2012, Reno, NV.

Holden Hergert – 3rd place oral presentation in Weeds of Range and Agronomic Crops, Western Society of Weed Science 2012, Reno, NV.

Holden Hergert – 1st place poster presentation in Weeds of Range and Agronomic Crops, Western Society of Weed Science 2012, Reno, NV.

Post-doctoral research scientist

DeStefano, Andrea. 2021-present.

Matillio, Chloe. 2022-present.

Graduate Students in Progress

Bishop-Heil, Ella. M.S. Rangeland Ecology and Watershed Management. Committee Member.

Ziyaaba, Jonah. Ph.D. Plant Sciences. Committee Member.

Billings, Walker. M.S. Plant Sciences. Chair.

Finley, Robert. M.S. Plant Sciences. Chair.

Winner, Kyrre. M.S. Plant Sciences. Committee Member.

Varelas, Leticia. Ph.D. Rangeland Economics. Committee Member.

Bergman, Dylan. M.S. Rangeland Ecology and Watershed Management. Committee Member.

Completed Graduate Students

As chair or co-chair

Croser, Jodie. Ph.D. 2022. Plant Sciences. Chair.

Hart, Tanner. Ph.D. 2022. Plant Sciences. Chair.

Visconti, Claire. M.S. 2022. Plant Sciences. Co-chair.

Jones, Tyler. M.S. 2022. Plant Sciences. Chair.

Arndt, Jaycie. M.S. 2021. Plant Sciences. Chair.

Upjohn, Rebecca. Ph.D. 2020. Program in Ecology. Co-chair.

Saleh, Osama. Ph.D. Plant Sciences. Co-chair.

Wood, Clay. M.S. 2017. Plant Sciences. Chair.

Noseworthy, Cara. M.S. 2014. Agronomy. Chair.

Rose, William. M.S. 2014. Agronomy. Chair.
Workman, Julia. M.S. 2014. Agronomy. Chair.
Fowers, Beth. Ph.D. 2013. Agronomy. Co-chair.
Burnett, Shayla. M.S. 2013. Agronomy. Chair.
Greet, Brandon. M.S. 2012. Agronomy. Co-chair.
Hergert, Holden. M.S. 2012. Agronomy. Co-chair.
Maan, Lakhvinder. M.S. 2010. Agronomy. Co-chair.

As committee member

Mattilio, Chloe. Ph.D. Program in Ecology. Committee Member.
Race, Nick. M.S. Plant Sciences. Committee Member.
Meeks, Jenna. M.S. Agronomy. Committee Member.
Prasser, Nicholas. M.S. Rangeland Ecology and Watershed Management. Committee Member.
Perry, Abby. M.S. Agricultural Economics. Committee Member.
Irwin, Joshua. M.S. Botany. Committee Member.
Seals, Casey. M.S. Agronomy. Committee Member.
Smith, Kurt. Ph.D. Rangeland Ecology and Watershed Management. Committee Member.
Mara, Bryn. M.S. Rangeland Ecology and Watershed Management. Committee Member.
Correll, Leanne. M.S. Rangeland Ecology and Watershed Management. Committee Member.
Magby, Jonathan. M.S. Botany. Committee Member.
Herget, Mollie. M.S. Rangeland Ecology and Watershed Management. Committee Member.
Curran, Michael. M.S. Rangeland Ecology and Watershed Management. Committee Member.
Liesenfeld, Zachary. M.S. Rangeland Ecology and Watershed Management. Committee Member.
Lorent, Louise. M.S. Agronomy. Committee Member.
Meyer, Kathleen. M.S. Entomology. Committee Member.
Driessen, Cally. M.S. Rangeland Ecology and Watershed Management. Committee Member.
Sebade, Brian. M.S. Rangeland Ecology and Watershed Management. Committee Member.
Bergum, Karin. M.S. Rangeland Ecology and Watershed Management. Committee Member.
Bartlett, Franklin. M.S. Rangeland Ecology and Watershed Management. Committee Member.

Extra-curricular Student Mentorship

Conservation internship mentor, TNC Conservation Internship Program, 2008-9.
Graduate student advisor, University of Wyoming Range Club. 2005-2007.