

September 2016

AGADEMICS

SEPTEMBER 2016



COLLEGE OF
AGRICULTURE AND
NATURAL RESOURCES

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Newest Videos

By Ann Tanaka | September 2016

[The Soil Rainbow: Wyoming Soil Colors & Types](#)

[Medicine Wheel](#)

[Yucca](#)

[Plague](#)

[Campbell County, Counties of Wyoming](#)

[Herbicide Damage](#)

[Garden Mulching](#)

[Soil Management on Wyoming Farms & Ranches](#)

[Alfalfa Bale Gardening](#)

[Mushrooms in the Yard](#)

Proposals Submitted

By Ann Tanaka | September 2016

Alexander, Brenda, Enette Larson Meyer, and Jason Gigley: \$488,370 to USDA NIFA for “Exposure to Sunlight and the Immune Protective Effects of Synthesized Vitamin D in Swine.”

Beck, Jeffrey: \$300,000 to BLM for “Lek-Centric Habitat Use, Resource Selection, Demography, and Genetic Evaluation of the Columbian Sharp-Tailed Grouse in South-Central Wyoming.”

Bowman, Grant: \$820,351 to NIH for “Bacterial Mechanisms for Establishing and Maintaining Cell Polarity.”

Dhekney, Sadanand, and Matthew Clark: \$126,653 to USDA NIFA for “Rapid Development of Vitis Germplasm for Cold-Hardy Table and Wine Grape Improvement,” and \$218,539 for “Targeting Powdery Mildew Genetic Resistance in Cold-Hardy Grapevine.”

Edwards, Jeffrey: \$50,000 to CropLife Foundation for “Creating a Sustainable Pesticide Safety Education Program for Wyoming.”

Foulke, Thomas, David Taylor, John Ritten, and Paul Lewin: \$118,000 to USDA NIFA for “Regional Economic Impact Implications of Federal Sage Grouse Policy Alternatives: A Dynamic Modeling Approach.”

Galey, Francis: \$3,300 to WDA for “Provide UW with Funds to the Potato Association of Nebraska.”

Hansen, Kristiana, and Virginia Paige: \$353,143 to USDA NIFA for “Incentives, Markets, and Management to Sustain Water for Agriculture in the Upper Colorado River Basin.”

Hess, Bret: \$10,015 to USDA ARS for “Collaborative Long-Term Agro-Ecosystem Research (LTAR) Efforts in the High Plains and Thunder Basin.”

Maczko, Kristie, and John Tanaka: \$120,000 to USDA NRCS for “Rangeland Science in Support of Practical Aspects of Soil Health for Producers - Correlations between Livestock Performance Indicators and Soil Health,” and \$65,000 to BLM for “Continuation of Sustainable Rangelands Roundtable Project Work and Addition of New Tasks for 2016.”

Scasta, John, and Jeffrey Beck: \$40,000 to BLM for “University of Wyoming Adobe Town HMA Wild Horse GPS Collar Project.”

Stump, William: \$5,500 to Colorado Potato Administrative Committee for “Field Tests of Generic and New Generation Chemistries for Potato Pest Suppression, Bacterial Ringrot Symptom Expression in Various Potato Cultivars.”

Van Diepen, Linda, Serita Frey, Ruth Vamer, and Anne Pringle: \$259,729 to NSF for “Collaborative Research: Fungal Community Response to Chronic Nitrogen Enrichment and Links to Soil Carbon Storage.”

Vincenti, Virginia, Bernard Steinman, Cory Bolkan, Axton Betz-Hamilton, Pamela Teaster, and Donovan Rudisuhle: \$114,683 to the Retirement Research Foundation for “Risk and Protective Factors for Elder Financial Exploitation by a Family Member Power of Attorney Agent.”

Whipple, Glen: \$50,794 to USDA NIFA for “University of Wyoming (UW) Extension - RREA,” \$275,720 for

“UW Extension - Smith Lever EFNEP,” \$1,637,798 for “UW Extension Smith Lever 3b and 3c,” and \$43,951 for “UW Extension - Smith Lever Special Needs.”

Monies Awarded

By Ann Tanaka | September 2016

Hilgert, Christopher: \$8,475 from WDA for “Wyoming Specialty Crop Distance Diagnostics Network.”

Maczko, Kristie, and John Tanaka: \$490,600 from USDA NRCS for “Evaluating Economic Impacts of Conservation Practices for Greater Sage-Grouse on Ranching Operations in the Context of Rangeland Sustainability.”

Sbatella, Gustavo: \$6,000 from Monsanto Company for “MSA Service Order 7: Competitive Efficacy North Soy.”

Schell, Scott, Alexandre Latchininsky, and Keith Wardlaw: \$4,911 from WDA for “Travel Support Funding for the Mosquito Larval Control Workshop and West Nile Virus Prevention Training Being Conducted by the City of Laramie and UW-ESM-Entomology.”

Calendar

By Ann Tanaka | September 2016

September 13-15: UW Extension new employee training, Laramie

September 17: Ag Day BBQ

September 27-30: Extension Secretaries Conference, a Professional Event (ESCAPE), Buffalo

Pistol and Pete and Friends

By Ann Tanaka | September 2016



Special events Saturday commemorating the 125th anniversary of the Agricultural Experiment Station prior to the UW-Northern Illinois football game included a group photo at the Marian H. Rochelle Gateway Center with Pistol and Pete, brown and gold Haflinger draft horses of the College of Agriculture and Natural Resources and representing AES.

SAREC Science

By Ann Tanaka | September 2016

Scientists presented their research and participants toured hail-damaged, and in many cases, destroyed, crops and cheatgrass mitigation plots during the field day at the James C. Hageman Sustainable Agriculture Research and Extension Center near Lingle August 25.

[slickr-flickr tag="2016SAREC" sort="title" direction="ascending" descriptions="on"]

Research, family day at LREC field day

By Ann Tanaka | September 2016

Plant research and crop trials at the research greenhouse followed by family farm day events at the Cliff and Martha Hansen Teaching Arena west of Laramie were offered during the Laramie Research and Extension Center Saturday, August 27.

[slickr-flickr tag="2016LREC" sort="title" direction="ascending" descriptions="on"]

Annual ag barbecue September 17

By Ann Tanaka | September 2016

The annual barbecue to raise money for student organizations in the College of Agriculture and Natural Resources is Saturday, Sept. 17, during Ag Appreciation Weekend at the University of Wyoming.

Serving is 11 a.m.-1:30 p.m. in the southwest corner of the Indoor Practice Facility prior to the University of Wyoming-UC Davis football game. Barbecue beef, pork, and lamb will be served. More than 565 were served last year, helping raise more than \$11,000 for the organizations.

Students representing each organization volunteer to help prepare for and serve at the barbecue.

College announces outstanding alumni, contributor, research partner awards

By Ann Tanaka | September 2016

A long-time collaborator and owner of an 8,500-head feedlot and farm and the director of the Wyoming Department of Agriculture are Outstanding Alumni Award recipients from the College of Agriculture and Natural Resources.

A rancher who many have tapped for his expertise is being recognized with the Legacy Award for his giving to the college and university, and the Wyoming Wool Growers Association was named the college's Outstanding Research Partner Award recipient.

They will be recognized during Ag Appreciation Weekend September 16-17 in Laramie.

Outstanding Alumni



William Gross graduated from the college in 1961 with an animal science degree and eventually doubled his family's cow-calf stocker operation to 8,500 head near Pine Bluffs. The family also has irrigated and dry land crop ground.

"Bill has utilized the formal education he received at UW to build an outstanding farming and ranching operation," says nominator Paul Lowham of Jackson. "He has grown it financially and has included family members, who will ensure its sustainability."

Rawlins native Douglas Miyamoto earned his BS (1996) and MS (2001) in rangeland ecology and watershed management. From 1999 to 2014, he served in multiple capacities with the Natural Resources Conservation Service before Governor Matt Mead appointed him WDA director.



The College of Agriculture and Natural Resources Dean's Advisory Board is one of many boards and commissions on which Miyamoto serves at state and federal levels.

"It is without question that Doug has distinguished himself in his professional life and put his degrees to good use," wrote nominator John Tanaka, associate director of the Wyoming Agricultural Experiment Station.

Legacy Award



Long-time legislator John Hines turned around his self-described early lackluster performance managing a ranch and has grown his Gillette-area operation into one that attracts many people seeking his expertise.

Hines took advantage of the endowment gift matching funds program at UW to create the Hines Family Scholarship in 2005. Hines was appointed to serve by then-Governor Dave Freudenthal on the first Wyoming Brucellosis Coordination Team. He's made donations to the UW veterinary diagnostic laboratory to help purchase diagnostic equipment, and his charitable gift fund benefits the Wildlife Livestock Health Program and UW Athletics.

Research Partner

The Wyoming Wool Growers Association has collaborated with the college in ram tests since 1961. The association partners with the Mountain States Lamb Cooperative to conduct a black face ram sire test and a white face ram sire test with UW. Both are at the Laramie Research and Extension Center. Fleece characteristics are measured and combined with gain data to create an overall index.

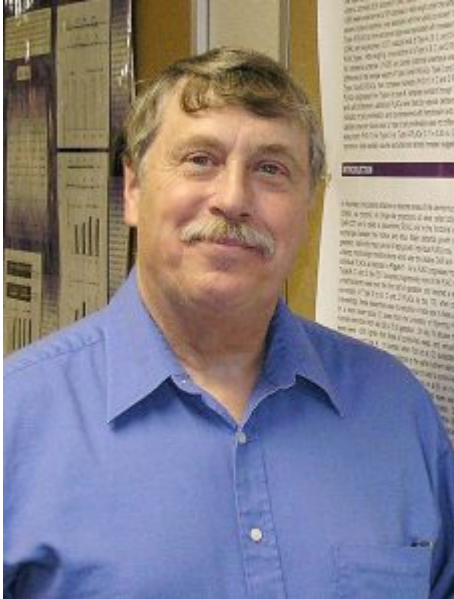


There are 12 active sheep-related research projects in the College of Agriculture and Natural Resources, in addition to the annual black face and white face ram sire tests.

Feature stories about the award recipients are at <http://www.uwyo.edu/uwag/alumni-friends/alumni-outstanding.html>.

Ford receives USDA Abraham Lincoln Honor Award

By Ann Tanaka | September 2016



Steve Ford

Animal science Professor Steve Ford is a member of a four-member team to receive the USDA's Abraham Lincoln Honor Award this month in Washington, D.C.

"The award is the highest that USDA gives out, so it was a real surprise and pleasure for us to receive it," notes Ford, Rochelle Chair, reproductive biology, fetal programming, in the Department of Animal Science.

Secretary of Agriculture Tom Vilsack formed the Animal Handling and Welfare Review Panel in response to a New York Times article alleging animal mistreatment by the U.S. Meat Animal Research Center (MARC) at Clay Center, Nebraska, by a retired employee.

The panel reviewed, evaluated, and prepared a guiding document on animal care and well-being at MARC and other Animal Research Service facilities from February 2015-August 2015.

The panel was on a very short time line so the document could be submitted to Congress quickly, says Ford, director of the Center for the Study of Fetal Programming.

The USDA notes the review resulted in significant improvement in the management and research practices of the animal research programs and ensuring animals used in research are treated humanely and cared for appropriately.

Vilsack will present the award September 13 in the Jefferson Auditorium at USDA headquarters in Washington, D.C.

Meat Donation

By Ann Tanaka | September 2016

The Food Science Club donated 350 pounds of ground beef, 10 pounds of pulled pork, more than 200 cookies, and coleslaw to the Laramie Soup Kitchen, says Kelcey Christensen, meat lab manager in the Department of Animal Science. Taryn Chapman and Jesse Bauer of the Food Science Club helped transport and deliver the donations. The club purchased a beef cow from the Laramie Research and Extension Center and donated the cost of processing.

[slickr-flickr tag="MeatLab2016" sort="title" direction="ascending" descriptions="on"]

Wyoming State Fair 2016

By Ann Tanaka | September 2016

[slickr-flickr tag="WY-StateFair-2016" sort="title" direction="ascending" descriptions="on"]