

CURRICULUM VITAE FOR EXTENSION EDUCATOR FACULTY

University of Idaho

NAME: David Rooks Callister

DATE: October 31, 2019

RANK OR TITLE: Assistant Professor

DEPARTMENT: University of Idaho Extension, Eastern District

OFFICE LOCATION: University of Idaho Extension, Butte County
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DATE OF FIRST EMPLOYMENT AT UI: July 1, 2019

DATE OF TENURE: Untenured

DATE OF PRESENT RANK OR TITLE: July 1, 2019

EDUCATION BEYOND HIGH SCHOOL:

Degrees:

M.S., 1993, Animal Science, Washington State University, Pullman, Washington.
B.S., 1991 Animal Science/Ag Business, University of Idaho, Moscow, Idaho.
Associate, 1989, Ag Mechanics/Ag Business, Ricks College, Rexburg, Idaho.

Additional Coursework for Credit:

Certificates and Licenses:

QRP Institute, QRP Suicide Prevention Gatekeeper Program, Certificate of Course Completion, 2020.
Idaho State Department of Agriculture, Commercial Pesticide Applicator License, Statewide
Consultant and Demonstration and Research endorsements. 2019-Present.
Idaho State Department of Agriculture, Private Applicator License, Restricted use endorsement. 2019
– Present.
Idaho Department of Transportation, Commercial Driver's License, School Bus and Passenger
endorsements, Oct. 2018 – Present.

EXPERIENCE:

Teaching, Extension and Research Appointments:

Assistant Professor and County Extension Educator, University of Idaho Extension, Butte County,
Arco, Idaho, 2019 – Present.
Teaching and Research Assistant, Washington State University, 1991 – 1993.

Academic Administrative Appointments:

County Chair, University of Idaho Extension, Butte County, Arco, Idaho, 2019 – Present.

Non-Academic Employment including Armed Forces:

School Bus Driver, Butte County School District, Arco, Idaho 2018-2019.
Partner and Chief Financial Officer, Callister Dairy LLP, Howe, Idaho 1999 – 2018.
Equipment and Farm Manager, Callister Dairy LTD, Howe, Idaho 1993-1998.

Consulting:**TEACHING ACCOMPLISHMENTS:****Areas of Specialization:**

Agronomy
Community Development
4-H Youth Development

Courses Taught:

Callister, D. Introduction to animal science lab, A.S. 101, Washington State University, Fall 1991 and Fall 1992.
Callister, D. Animal breeding lab, A.S. 330, University of Idaho/Washington State University, Spring 1991 and Spring 1992.

Interns/Students Advised:**Materials Developed:****Workbooks, Manuals:****Web Pages:****Video Productions:**

Callister, D. Mother's Day challenge, Facebook video,
<https://www.facebook.com/129082330438391/videos/3169620253105819>, 2020.
Callister, D. Quick bread challenge week 4, Facebook video,
<https://www.facebook.com/129082330438391/videos/227254645037647>, 2020.
Callister, D. Quick bread challenge week 3, Facebook video,
<https://www.facebook.com/129082330438391/videos/2515326365447112>, 2020.
Callister, D. Quick bread challenge week 2, Facebook video,
<https://www.facebook.com/129082330438391/videos/533290554260752>, 2020.
Callister, D. Quick bread challenge week 1, Facebook Video,
<https://www.facebook.com/129082330438391/videos/1084864715201338>, 2020.

Displays and Posters:**PowerPoint/Slide Presentations:****Non-Credit Classes, Presentations, Workshops, Seminars, Invited Lectures, etc.:****Agronomy**

Callister, D. Soils and aquifer recharge, Butte Soil and Water Conservation District sixth grade field day, Mackay, Idaho, 5 sessions, September 23, 2021.
Callister, D. Equipment maintenance, Eastern District Forage School, University of Idaho Extension, Zoom, March 17, 2021.
Callister, D. Integrated pest management, Eastern District Pesticide Applicators Training, University of Idaho Extension, Zoom, March 11, 2021.
Callister, D. Species selection, Pasture workshop, University of Idaho Extension, Zoom, February 23, 2021.
Callister, D. Record Keeping for Farmers, Arco, Idaho, January 22, 2021.
Callister, D. White bryony presentation, Butte Water and Soil Conservation District Conservation Caravan, Howe, Idaho, September 3, 2020.

- Callister, D. How to sample soil, Butte Soil and Water Conservation District Winter workshop, Arco, Idaho, March 9, 2020.
- Callister, D. Integrated pest management for pasture and livestock, Lincoln County Soil Conservation District - Weed Workshop, Shoshone, Idaho, February 7, 2020.
- Callister, D. Integrated pest management in hay, Mackay Hay School, Mackay, Idaho, November 20, 2019.

Community Development

- Callister, D. Connecting with clients through quiz games, Eastern district fall faculty meeting, Challis, Idaho, September 28, 2021.
- Callister, D. Dress etiquette for extension professionals, Eastern district fall faculty meeting, Challis, Idaho, September 28, 2021.
- Callister, D. Build Your Future, Butte County Middle School – healthy living class, Arco, Idaho, 9 sessions, August 2021 – October 2021.
- Callister, D. Impact of Idaho Agriculture, Butte County Middle School, 3 sessions, Arco, Idaho, April 1, 2021.
- Callister, D. Build Your Future, Butte County High School – healthy living class, Arco, Idaho, 14 sessions, January 2021 – May 2021.
- Callister, D. Build Your Future, Butte County Middle School – healthy living class, Arco, Idaho, 16 sessions, September 2020 – January 2021.
- Callister, D. Starting garden plants indoors, Arco Community Garden group, Arco, Idaho, March 10, 2020.
- Callister, D. Build Your Future, Butte County Middle School – healthy living class, Arco, Idaho, 8 sessions, January – March 2020.

4-H Youth Development and Volunteer Development

- Callister, D. 4-H Livestock nutrition, Butte County 4-H livestock day camp. Arco, Idaho, July 6, 2021.
- Callister, D. 4-H Livestock nutrition, Franklin, Onieda, Caribou, and Bear Lake Counties 4-H livestock day camps, 4 sessions, June 22 – June 23, 2021.
- Callister, D. 4-H dairy metabolic issues, Zoom presentation, May 8, 2020.
- Callister, D. 4-H dairy nutrition, Zoom presentation, April 7, 2020.
- Callister, D. Enrichment computer coding class, Arco Elementary School, Arco, Idaho, 5 sessions, January – March 2020.

Teaching Honors and Awards:

SCHOLARSHIP ACCOMPLISHMENTS:

Description of personal contributions

1. Developed project idea
2. Obtained or provided project funding/resources
3. Collected data
4. Analyzed data
5. Contributed significantly to writing
6. Contributed significantly to editing

Publications, Exhibitions, Performances, Recitals:

Refereed:

Books:

Book Chapters:

Journals:

Extension Publications:

Bulletins/Pacific Northwest (PNW) Publications:

Curricula:

Videos/Educational Media:

Abstracts and Proceedings:

Peer Reviewed/Evaluated:

Extension Publications:

Journals:

Abstracts and Proceedings:

Research Reports:

New Curricula Developed:

Educational Media:

Refereed (in press):

Peer Reviewed (in press):

Other:

University of Idaho Extension Impact Statements:

Henderson, B., R. Findley, J. Hatch, R. Patterson, J. Rickman, J. Sagers, T. Sorensen, G. Loomis, **D. Callister**, Pesticide recertification credits provided in person and via Zoom broadcast, <https://www.uidaho.edu/-/media/UIIdaho-Responsive/Files/Extension/admin/Impacts/2020/22-20-bhenderson-pesticide-recertification.pdf>. (3)

Abstracts and Proceedings:

Research Reports:

Thesis and Dissertations:

Callister, D. R. 1993, Heterozygosity Retained in Simulated Composite Breeds, Master of Science thesis.

Scholarly Presentations and Other Creative Activities:

Displays and Posters:

Professional Meeting Papers, Workshops:

Patents:

Grants and Contracts Awarded:

- Callister, D., Idaho STEM Action Center Lost Rivers Lego Robots, Idaho STEM Action Center, 2020 \$1,280 (\$1,280 spending authority).
 Callister, D., Idaho STEM Action Center First Tech State Competition, Idaho STEM Action Center, 2020 \$1,111 (\$1,111 spending authority).
 Callister, D., Idaho STEM Action Center FIRST Lego S. ID Championship, Idaho STEM Action Center, 2020 \$1,500 (\$1,500 spending authority).

Internal Funding Awarded:

- Patterson, R.K., D. Morishita, A. West, P. Hutchinson, S. Roberts, **D. Callister**, and G. Loomis. Solarization weed control. University of Idaho Extension Innovative Project, 2019, \$3,000.00 (\$0.00 spending authority).

In-kind and Industry Support:**Scholarship Honors and Awards:****SERVICE:****Major Committee Assignments:****International:****National:****Regional:**

- High Divide Landscape Conservation Design, 2021.
 High Divide Collaborative, 2020-2021.

State:**University of Idaho:****College:****Extension:**

- 4-H Know Your Government Youth Committee Interviews, 2021
 4-H Know Your Government advisory committee, 2020- present
 4-H STEM advisory committee, 2020 – present.

District:

- District Audit Committee, 2021-present.
 Fall faculty meeting planning committee, 2021.
 Eastern district pesticide applicator training planning committee, 2021.
 Eastern district pasture workshop planning committee, 2021.
 Forage school planning committee, 2020 – present.
 Cereal school planning committee, 2020 - present.
 Promotion and Tenure committee, 2020
 Eastern Idaho State Fair Dairy Show, Dairy Judging and Dairy Skill-a-thon Committee, 2019-present.

County/Local:

Little Lost River Recreation District Board of Directors, (Treasurer), 2021
 Butte County Economic Development Advisory Committee, 2019 – present.
 Lost Rivers Medical Center Board of Directors, (Secretary/Treasurer), 2014 – present.
 Little Lost River Community Organization Board of Directors, (Treasurer), 2009 - 2020.

Professional and Scholarly Organizations:

National Association of Extension 4-H Youth Development Professionals, 2020 - present.
 Idaho Association of Extension 4-H Youth Development Professionals, 2020 - present.
 National Association of Community Development Extension Professionals, 2019 – present.
 Idaho Association of Natural Resource and Community Development Extension Professionals, 2019 – present.

Outreach Service:

Classes, Workshops, Seminars, Share Fairs and Tours Organized:

Eastern Idaho State Fair 4-H Dairy show, dairy judging and dairy skill-a-thon, Blackfoot, Idaho, September 8 – 10, 2021.
 Butte County Fair, Arco, Idaho August 10 - 14, 2021.
 Mackay High School Ag Bowl, Mackay, Idaho, April 8, 2021.
 Butte County Schools Ag Day Activities, Arco, Idaho, March – April 2021.
 Eastern Idaho State Fair 4-H Dairy show, Blackfoot, Idaho, September 2020.
 Butte County Fair, Arco, Idaho August 11 – 15, 2020.
 Forage School, Terreton, Blackfoot, Soda Springs & Preston, Idaho, March 2020.
 Mackay Hay School, Mackay, Idaho, November 2019.
 Pressure Canning Class, Arco, Idaho, October 28, 2019.
 Water Bath Canning Class, Arco, Idaho, October 24, 2019.
 Eastern Idaho State Fair 4-H Dairy show, dairy judging and dairy skill-a-thon, Blackfoot, Idaho, September 2019.
 Butte County Fair, Arco, Idaho, August 13 – 17, 2019.

Miscellaneous Extension Publications:

Callister, D. B. Stokes, J. Thomas, Elm seed bugs in Butte County, Ag Talk Report, 2(4), July 31, 2020.

Popular Press:

Callister, D., The Story of Dragon Fly Tarps, Arco Advertiser, June 8, 2020.

Interview Articles:

Media Presentations:

Applied Research/Demonstration Trials:

Callister, D. Field demonstration of different tillage methods, 2021
 Patterson, R.K., D. Morishita, A. West, P. Hutchinson, S. Roberts, **D. Callister**, and G. Loomis. Soil solarization weed control. 2020.

Judging:

Eastern Idaho State Fair – 4-H and FFA dairy judging contest, Blackfoot, Idaho, September 10, 2021.
 Custer County Fair 4-H Interview Contest, Mackay, Idaho, August 5, 2021.
 First Lego League – State Contest, Zoom, February 26, 2021.

Idaho Association of Natural Resources and Community Development Professionals, State Awards, February 2021.
National Association of County Agricultural Agents Communications contests, May 2020.

Review Activities:

Community Service:

Service Honors and Awards:

PROFESSIONAL DEVELOPMENT:

Teaching:

Scholarship:

Agriculture and Food Research Initiative foundational program training, University of Idaho College of Agricultural and Life Sciences, Zoom, November 18, 2020.
Professional and Producer Grant training, Western Sustainable Agriculture Research and Education, webinar, September 23, 2020.
Producer Grant training, Western Sustainable Agriculture Research and Education, webinar, September 22, 2020.
United States Department of Agriculture – Small Business Innovation Research training, Cisco web meeting, June 17, 2020.
Lessons learned from 10K proposals reviewed, Charles Dunlop, American Association for the Advancement of Science, Zoom, May 28, 2020.
Applied Statistics, University of Idaho, Zoom, March 10, 2020.
Communicating Extension's public value, Professional Development Network of Idaho Extension webinar, December 13, 2019.
New faculty research training, University of Idaho, Zoom, November 8, 2019.

Outreach:

Identifying apples: a multifaceted approach, John Bunker, Heritage orchard conference, October 20, 2021.
Rangeland fall forum – from drought to resilience, University of Idaho Rangeland Center, Zoom, September 5 – 7, 2021.
Building a regional taste, trade, and identity: international case study on cider, Megan Larmer, Gabe Cook, Lee Reeve, and Rachel Freier, International workshop on agritourism, Zoom, October 5, 2021.
Potato Germ Plasm, Jenny Durrin, University of Idaho – Ag Talk Tuesday, Zoom, August 17, 2021.
Fungicide Resistance Management, Kasia Duellman and Christy Christian, University of Idaho – Ag Talk Tuesday, Zoom, August 17, 2021.
Teff: An Overview, Ritika Lamichhane, University of Idaho – Ag Talk Tuesday, Zoom, August 3, 2021.
Get more done in Microsoft TEAMS with Adobe, webinar, July 21, 2021.
Horticulture and Small Farms In-service, University of Idaho Extension, Caldwell and Parma, Idaho, July 19 and 20, 2021.
Weed science research and Extension program, Albert Adjesiwar, University of Idaho – Ag Talk Tuesday, Zoom, July 6, 2021.
Barn Owls – thinking inside the box, Jason Thomas, University of Idaho – Ag Talk Tuesday, Zoom, July 6, 2021.
Grass control in potatoes, Pamela Hutchinson, University of Idaho – Ag Talk Tuesday, Zoom, June 6, 2021.
Seed and plant patent laws, Jeremy Tamsen, University of Idaho – Ag Talk Tuesday, Zoom, June 6, 2021.
Farm stress management, Lance Ellis and Lance Hansen, University of Idaho – Ag Talk Tuesday, Zoom, June 1, 2021.
Idaho insect identification website overview, Jason Thomas, University of Idaho – Ag Talk Tuesday, Zoom, May 18, 2021
Aquifer recharge program, Keith Esplin, University of Idaho – Ag Talk Tuesday, Zoom, May 18, 2021

Representative forage sampling and utilizing near infrared refractive spectrometry, Bottom Up Focus on Forage, Rebecca Kern, Ward Labs Webinar, May 17, 2021.

Regional agritourism strategies for community development, Webinar, May 11, 2021.

Grazing School, Greg Judy, Rucker, Missouri, May 6 – 8, 2021.

Economic injury level for thrips in alfalfa, Reed Findlay, University of Idaho – Ag Talk Tuesday, Zoom, May 4, 2021.

Cereal disease update: how is the season progressing? Juliet Marshell, University of Idaho – Ag Talk Tuesday, Zoom, May 4, 2021.

You got funded now what? Professional Development Network of Idaho Extension, Mireille Chahine, Zoom, May 3, 2021.

Eastern district spring faculty meeting, Idaho Falls, April 27, 2021.

Introduction to grafting, Heritage Apple Conference, University of Idaho, Zoom April, 23, 2021.

Restorative pruning, Heritage Apple Conference, University of Idaho, Zoom, April 22, 2021.

Fruits of the gold rush, Heritage Apple Conference, University of Idaho, Zoom, April 21, 2021

Producer’s insights on forage production, Bottom Up Focus on Forage, Ward Labs Webinar, April 19, 2021.

Factors impacting potato bruises, Plant Science Seminar – Rebecka Hendricks,, University of Idaho, Zoom, April 16, 2021.

Plant Science Seminar – Lara Brown, University of Idaho, Zoom, April 2, 2021.

Approaching the Future with a Fresh Perspective, Professional Development Network of Idaho Extension, Jacqueline Amor-Zitzelberger and Cynthia Pollich, Zoom, March 18, 2021.

Choosing the right seed and forage mix, Bottom Up Focus on Forage, Ward Labs Webinar, March 15, 2021.

From the ground up – cover crop solutions for western farmers, Western Cover Crops Council, Webinar, March 9, 2021.

Rinker Rock Creek Ranch research report webinar, March 1, 2021.

From the ground up – cover crop solutions for western farmers, Western Cover Crops Council, Webinar, February 23, 2021.

Pasture workshop – Pasture planning, University of Idaho Extension, Zoom, February 23, 2021.

Fusarium head blight resistance in barley, Plant science seminar – Tim Balwin, University of Idaho, Zoom, February 19, 2021.

Idaho Hay Association Meeting, Webinar, February 18, 2021.

From the ground up – cover crop solutions for western farmers, Western Cover Crops Council, Webinar, February 16, 2021.

Pasture workshop – Grazing management, University of Idaho Extension, Zoom, February 16, 2021.

Pasture workshop – Water quality and systems, University of Idaho Extension, Zoom, February 9, 2021.

Grants and gifts the do’s and don’ts, Debbie Grey, Professional Development Network of Idaho Extension, Zoom, February 8, 2021.

Interactions between host plants-herbivores to develop Integrated Pest Management (IPM) strategies, Plant science seminar, Dr. Rohollah Sadeghi, Zoom, February 5, 2021.

La Nina? Drought? What’s in the forecast for 2021?, The Virtual Beef Experience, webinar, February 4, 2021.

Next generation genomics, what benefit do they hold for your bottom line?, The Virtual Beef Experience, webinar, February 3, 2021.

How does pasture management impact health and performance of your herd?, The Virtual Beef Experience, February 2, 2021.

Early lamb and kid care, University of Idaho Extension Sheep and Goat webinar, January 28, 2021.

Eastern district meeting, Zoom, January 26, 2021.

Instrument training, Sustainable agriculture research and education, Zoom, January 15, 2021.

Idaho Range Livestock Symposium, Zoom, January 12, 2021.

Idaho Agriculture Outlook – dairy, University of Idaho Extension, Webinar, December 18, 2020.

Idaho Agriculture Outlook – hay, grain and beef, University of Idaho Extension, Webinar, December 17, 2020.

Researching the history and people behind the apples, University of Idaho Heritage Orchard Conference, Webinar, December 16, 2020

Idaho Agriculture Outlook – water, weather and input costs, University of Idaho Extension, Webinar, December 16, 2020.

Idaho Agriculture Outlook – Global, United States and Idaho, University of Idaho Extension, Webinar, December 15, 2020.

Integrate livestock into your vegetable crops, Appropriate Technology Transfer to Rural Areas webinar, November 17, 2020.

Selecting genetics for your desired phenotype, Ward Labs Forum, Dr. Jamie Courter, webinar, November 16, 2020.

Apples and Their Uses – Past and Present, Heritage Apple Conference, Webinar, November 11, 2020.

Interested in Letting Livestock Do the Work? Appropriate Technology Transfer to Rural Areas webinar, October 29, 2020.

University of Idaho all College of Agricultural and Life Sciences meeting, Zoom, October 26, 2020.

National Association of Extension 4-H and Youth Development Professionals Conference, Boise Idaho, October 20-22, 2020.

4-H statewide in-service, Boise, Idaho, October 19-22, 2020.

Grazing Quality Forages, Ward Labs Forum, Dr. Woody Lane, Webinar, October 5, 2020.

Rangeland Center Fall Forum, Zoom, October 1 - 2, 2020.

Bridge to a Virtual World, Zoom, September 30, 2020.

Aquatic invasive species, Our Gem Speaker series, Zoom, September 24, 2020.

DNA fingerprints, Heritage Apple Conference, Zoom, September 16, 2020.

Eastern district fall faculty meeting, Zoom, September 16, 2020.

Sleuthing for Lost Apples, Heritage Apple Conference, Zoom, August 19, 2020.

Building Community Capacity around Youth part 2, Zoom, August 6, 2020.

Building Community Capacity around Youth part 1, Zoom, August 3, 2020.

Genomic Tools for Sheep and Goats, University of Idaho Sheep and Goat Webinar, Zoom, July 30, 2020.

Cow herd nutritional effects and carcass quality, University of Idaho Beef webinar, Zoom, June 3, 2020.

Nutrient Management/Manure, Ag Talk Tuesday, Zoom June 2, 2020.

Improving Zoom teaching, Zoom, May 26, 2020.

Outcome-based grazing management (Bureau of Land Management) and adaptive management (United States Forest Service) for Federal grazing permits, University of Idaho Beef webinar, May 20, 2020.

Grazing management, University of Idaho Beef webinar, Zoom, May 6, 2020.

Microsoft OneDrive/Teams training, Teams, May 5, 2020.

Eastern district spring faculty meeting, Zoom, April 29, 2020.

University of Idaho Animal and Veterinary Inservice, Zoom, April 16, 2020.

University of Idaho, Extension annual conference, Zoom, April 14 – 16, 2020

Virtual Programing, Zoom, March 31, 2020.

4-H Councils and Contacts, Zoom, March 25, 2020.

Eastern District Group 1 Training, Pocatello, Idaho, March 12, 2020.

Wheat quality, Zoom, February 14, 2020.

4-H youth development, Zoom, January 8, 2020.

4-H Inservice, Boise, Idaho October 21 – 23, 2019.

Idaho Association of Natural Resources and Community Development Extension Professionals - Professional development retreat, Driggs, Idaho, October 2 -3, 2019.

Eastern district fall faculty meeting, Pocatello, Idaho, September 23 - 24, 2020.

University of Idaho – Newish Faculty Training Zoom Meeting, September 20, 2019.

Natural Resource Conservation Service – High Tunnel Meeting, Arco, Idaho, August 23, 2019.

University of Idaho - Extension New Faculty Training, Moscow, Idaho, August 19 – 21, 2019.

University of Idaho – College of Agricultural and Life Sciences New Faculty Orientation, Moscow, Idaho, August 20, 2019.

University of Idaho - New faculty training, Moscow, Idaho August 19 – 20, 2019.

Horticulture Inservice, Idaho Falls and Aberdeen, Idaho, July 17 – 18, 2019.

Administration/Management:

University of Idaho branding guidelines and resources for UI Extension, Professional Development Network of Idaho Extension, Zoom, September 13, 2021.

Providing constructive feedback, Professional Development Network of Idaho Extension, Zoom, November 18, 2020.

University of Idaho benefits training, Zoom, October 13, 2020.

University of Idaho CV training, Zoom, October 8, 2020.
Training to host conference meetings, National Association of Extension 4-H and Youth Development
Professionals, Zoom, October 8, 2020.
4-H County Chair training, Zoom, September 24, 2020.
Digital Measures training, Zoom, September 16, 2020.
Preparing for civil rights review, Zoom, May 28, 2020.