

CURRICULUM VITAE FOR EXTENSION EDUCATOR FACULTY

University of Idaho

NAME: Justin Lorin Hatch

DATE: October 31, 2023.

RANK OR TITLE: Assistant Professor
Extension Educator

DEPARTMENT: University of Idaho Extension, Eastern District

OFFICE LOCATION: University of Idaho Extension, Caribou County
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DATE OF FIRST EMPLOYMENT AT UI: July 30, 2018

DATE OF TENURE: Untenured

DATE OF PRESENT RANK OR TITLE: July 30, 2018

EDUCATION BEYOND HIGH SCHOOL:

Degrees:

M.S., 2017, Plant Science, University of Idaho, Moscow, Idaho.

B.S., 2015, Agronomy Crop and Soil Science, Brigham Young University Idaho, Rexburg, Idaho.

Additional Coursework for Credit:

Forage and Grassland Management, PLSC 504, University of Idaho, 3 credits, 2019.

Certificates and Licenses:

Idaho 4-H Shooting Sports Training, Certified Air Pistol Instructor Level 1, 2021.

Idaho State Pesticide Applicator, Private Applicator, 2015-present.

Idaho State Pesticide Applicator, Statewide Consultant, 2018-present.

EXPERIENCE:

Teaching, Extension and Research Appointments:

Assistant Professor and Extension Educator, University of Idaho Extension,

Bear Lake County, Montpelier, Idaho, 2020-present.

Caribou County Soda Springs, Idaho, 2018-present.

Academic Administrative Appointments:

County Chair, University of Idaho Extension Bear Lake County, Montpelier, Idaho 2022- present.

Interim County Chair, University of Idaho Extension Bear Lake County, Montpelier, Idaho 2020-2022.

County Chair, University of Idaho Extension Caribou County Soda Springs, Idaho 2018- present.

Non-Academic Employment including Armed Forces:

Research Specialist, University of Idaho, Aberdeen, Idaho, 2015-2018.

TEACHING ACCOMPLISHMENTS:

Areas of Specialization:

Agriculture

4-H Youth Development

Interns/ Students Advised:

Crandall, Deseret, Brigham Young University- Idaho, Family and Consumer Science, 2021.

Displays and Posters:

- Kempton, C., J. Sprinkle, J. Brennan, D. Lauritzen, S. Fonnesebeck, **J. L. Hatch**, R. Larsen, and A. Hulet. 2024. Cattle resource selection on late fall sagebrush steppe habitat in Idaho, United States. Society for Range Management, Sparks, Nevada.
- Eeturu, P., J. Spackman, J. Sagers, R. Findlay, and **J. L. Hatch**. 2021. Impacts of nitrogen on the yield of different varieties of forage oats, barley, and teff. American Society of Agronomy, Salt Lake City, Utah.

Non-Credit Classes, Presentations, Workshops, Seminars, Invited Lectures, etc.:**Agriculture**

- Hatch, J.L. Developing a grazing plan, Land smart workshop, St. Anthony, Idaho, October 26, 2023.
- Hatch, J.L. Using body condition scoring to extend the grazing season, Lost Rivers Grazing Academy, Salmon, Idaho, September 14, 2023.
- Hatch, J.L. Managing bloat and grass tetany on pasture, Lost Rivers Grazing Academy, Salmon, Idaho, September 13, 2023.
- Hatch, J.L. and J. Sagers. Cow pie evaluation, Lost Rivers Grazing Academy, Salmon, Idaho, September 12, 2023.
- Hatch, J.L. Introduction to low-stress livestock handling, Lost Rivers Grazing Academy, Salmon, Idaho, September 12, 2023.
- Hatch, J.L. Improving nutrient cycling in pastures, Pasture School, Montpelier, March 15, 2023.
- Hatch, J.L. Local weeds of interest, Pesticide Applicator Training, Online presentation, March 8, 2023.
- Hatch, J.L. Improving nutrient cycling in pastures, Pasture School, Malad, Idaho, February 23, 2023.
- Hatch, J.L. Local weeds of interest, Idaho Master Naturalist Program, Pocatello, Idaho, February 16, 2023.
- Hatch, J.L. Using body condition scoring to extend the grazing season, Lost Rivers Grazing Academy, Salmon, Idaho, September 13, 2022.
- Hatch, J.L. Managing bloat and grass tetany on pasture, Lost Rivers Grazing Academy, Salmon, Idaho, September 13, 2022.
- Hatch, J.L. and J. Sagers. Cow pie evaluation, Lost Rivers Grazing Academy, Salmon, Idaho, September 13, 2022.
- Hatch, J.L. Introduction to low-stress livestock handling, Lost Rivers Grazing Academy, Salmon, Idaho, September 13, 2022.
- Hatch, J.L. and D. Callister. Managing grazing costs, Pasture Management Workshops, Malad, March 21, 2022.
- Hatch, J.L. and D. Callister. Managing grazing costs, Pasture Management Workshops, Idaho Falls, March 10, 2022.
- Hatch, J.L. Integrated pest management for rights- of- way, Pesticide Applicator Training, Online presentation, March 10, 2022.
- Hatch, J.L. and D. Callister. Managing grazing costs, Pasture Management Workshops, Montpelier, February 16, 2022.
- Hatch, J.L. Turfgrass management, Idaho Master Gardener program, Online presentation, February 9, 2022.
- Hatch, J.L. Testing feeds for nutritional value, Beef School, Montpelier, Idaho, December 9, 2021.
- Hatch, J.L. Testing feeds for nutritional value, Beef School, Malad, Idaho, December 8, 2021.
- Hatch, J.L. Rodent control options, Pesticide Applicator Training, Online presentation, December 7, 2021.
- Hatch, J.L. and B. Henderson. Drip irrigation and micro-irrigation, Franklin County Gardening Classes, Preston, Idaho, May 26, 2021.
- Hatch, J.L. and B. Henderson. Drip irrigation and micro-irrigation, Oneida County Gardening Classes, Malad, Idaho, May 20, 2021.
- Hatch, J.L. Maintaining healthy pastures through grazing, Pasture Management Workshops, Online presentation, February 16, 2021.

Non-Credit Classes, Presentations, Workshops, Seminars, Invited Lectures, etc.:

Agriculture (cont.):

- Hatch, J.L. Turfgrass management, Idaho Master Gardener program, Online presentation, February 3, 2021.
- Hatch, J.L. Pesticide safety is no accident, Southeast Idaho Pesticide Applicator Training, Online presentation, December 2, 2020.
- Hatch, J.L. Finding a horse to ride, Third Year Review, Online presentation, October 6, 2020.
- Hatch, J.L. Effect of growing cover crops on soil moisture, National Resources Conservation Service Field Tour, Soda Springs, Idaho, September 16, 2020.
- Hatch, J.L. Herbicide X (Developing a herbicide and crop rotation calculator application), Idaho Bean Commission Research Review, Boise, Idaho, March 13, 2020.
- Hatch, J.L. Irrigation scheduling (Using WSU's irrigation scheduler), Forage School, Soda Springs, Idaho, March 11, 2020.
- Hatch, J.L. Irrigation scheduling (Using WSU's irrigation scheduler), Forage School, Preston, Idaho, March 11, 2020.
- Hatch, J.L. Irrigation scheduling (Using WSU's irrigation scheduler), Forage School, Blackfoot, Idaho, March 10, 2020.
- Hatch, J.L. Irrigation scheduling (Using WSU's irrigation scheduler), Forage School, Terreton, Idaho, March 10, 2020.
- Hatch, J.L. Herbicide X (Developing a herbicide and crop rotation calculator application), Idaho Wheat and Barley Commissions Research Review, Boise, Idaho, February 20, 2020.
- Hatch, J.L. Effects of cover crop termination on soil moisture, Caribou County Grain Seminar, Soda Springs, Idaho, February 14, 2020.
- Hatch, J.L. Herbicide X (Developing a herbicide and crop rotation calculator application), Snake River Sugarbeet Research and Seed Alliance Research Review, Twin Falls, Idaho, February 13, 2020.
- Hatch, J.L. Nitrogen applications on irrigated pasture, Grazing Management Seminar, Saint Anthony, Idaho, January 31, 2020.
- Hatch, J.L. Nitrogen applications on irrigated pasture, Pasture Management Workshops, Soda Springs, Idaho, January 30, 2020.
- Hatch, J.L. Nitrogen applications on irrigated pasture, Pasture Management Workshops, Montpelier, Idaho, January 28, 2020.
- Hatch, J.L. Integrated pest management in turfgrass, Pesticide Applicator Training, Blackfoot, Idaho, December 6, 2019.
- Hatch, J.L. Integrated pest management in turfgrass, Pesticide Applicator Training, American Falls, Idaho, December 6, 2019.
- Hatch, J.L. Integrated pest management in turfgrass, Pesticide Applicator Training, Soda Springs, Idaho and Zoom broadcasted to Arco and Hailey, Idaho, December 5, 2019.
- Hatch, J.L. Integrated pest management in turfgrass, Pesticide Applicator Training, Montpelier, Idaho, December 5, 2019.
- Hatch, J.L. Integrated pest management in turfgrass, Pesticide Applicator Training, Preston, Idaho, December 4, 2019.
- Hatch, J.L. Integrated pest management in turfgrass, Pesticide Applicator Training, Malad, Idaho, December 4, 2019.
- Hatch, J.L. Integrated pest management in turfgrass, Grain Elevator and Processing Society Intermountain Chapter Fumigation Seminar, Pocatello, Idaho, November 8, 2019.
- Hatch, J.L. Developing a grazing plan, Forages PLSC 504, Online presentation, Idaho, April 8, 2019.
- Hatch, J.L. Turfgrass management, Caribou County Gardening Classes, Soda Springs, Idaho, April 4, 2019.
- Hatch, J.L. Developing a grazing plan, Pasture Management, Preston, Idaho, March 21, 2019.
- Hatch, J.L. Developing a grazing plan, Pasture Management, Idaho Falls, Idaho, March 20, 2019.
- Hatch, J.L. Developing a grazing plan, Pasture Management, Rexburg, Idaho, March 19, 2019.
- Hatch, J.L. Diseases and pests of local significance, Forage School, Soda Springs, Idaho, March 13, 2019.
- Hatch, J.L. Turfgrass management, Idaho Master Gardener program, Idaho Falls, Idaho, February 7, 2019.

Non-Credit Classes, Presentations, Workshops, Seminars, Invited Lectures, etc.:

Agriculture (cont.):

- Hatch, J.L. Turfgrass management, Idaho Master Gardener program, Pocatello, Idaho, February 6, 2019.
- Hatch, J.L. Turfgrass management, Idaho Master Gardener program, Blackfoot, Idaho, February 4, 2019.
- Hatch, J.L. Holistic management of rangeland weeds, Pesticide Applicator Training, Arco, Idaho, December 6, 2018.
- Hatch, J.L. Holistic management of rangeland weeds, Pesticide Applicator Training, Rigby, Idaho, December 6, 2018.
- Hatch, J.L. Holistic management of rangeland weeds, Pesticide Applicator Training, Blackfoot, Idaho, December 5, 2018.
- Hatch, J.L. Holistic management of rangeland weeds, Pesticide Applicator Training, American Falls, Idaho, December 5, 2018.
- Hatch, J.L. Holistic management of rangeland weeds, Pesticide Applicator Training, Malad, Idaho, December 4, 2018.
- Hatch, J.L. Holistic management of rangeland weeds, Pesticide Applicator Training, Preston, Idaho, December 4, 2018.
- Hatch, J.L. Holistic management of rangeland weeds, Pesticide Applicator Training, Montpelier, Idaho, December 3, 2018.
- Hatch, J.L. Holistic management of rangeland weeds, Pesticide Applicator Training, Soda Springs, Idaho, December 3, 2018.

4-H/Youth Development

- Hatch, J.L. Farm to table tour, Grace, Idaho, July 12, 2023.
- Hatch, J.L. Plant identification hike, Soda Springs, Idaho, July 6, 2023.
- Hatch, J.L. Tree identification hike, Soda Springs, Idaho, June 28, 2023.
- Hatch, J.L. Properties of water, Water camp, Soda Springs, Idaho, June 27, 2023.
- Hatch, J.L. Fishing club, Soda Springs, Idaho, June 20, 21, 22, 2023.
- Hatch, J.L. and J. Bramwell. Saddle fit clinic, Caribou County horse camp, Grace, Idaho, June 16, 2023.
- Hatch, J.L. Forms of animal identification, Livestock Day Camp, Preston, Idaho, three sessions, June 13, 2023.
- Hatch, J.L. Forms of animal identification, Livestock Day Camp, Malad, Idaho, three sessions, June 13, 2023.
- Hatch, J.L. Forms of animal identification, Livestock Day Camp, Grace, Idaho, June 14, 2023.
- Hatch, J.L. Forms of animal identification, Livestock Day Camp, Montpelier, Idaho, three sessions, June 14, 2023.
- Hatch, J.L. Ranch roping clinic, Oneida County Working Ranch Horse, Malad, Idaho, March 28, 2023.
- Hatch, J.L. Making leather headstalls, 4-H Day Camp, Soda Springs, Idaho, March 24, 2023.
- Hatch, J.L. Making leather headstalls, 4-H Day Camp, Montpelier, Idaho, March 20, 2023.
- Hatch, J.L. Making leather headstalls, 4-H Day Camp, Soda Springs, Idaho, 3 sessions, March 17, 2023.
- Hatch, J.L. Making leather headstalls, 4-H Day Camp, Montpelier, Idaho, 3 sessions, March 3, 2023.
- Hatch, J.L. Making leather halter nosebands, 4-H Day Camp, Grace, Idaho, 7 sessions, February 24-25, 2023.
- Hatch, J.L. Animal hide identification, 4-H Day Camp, Soda Springs, Idaho, July 13, 2022.
- Hatch, J.L. Fishing club, Soda Springs, Idaho, June 21, 22, 23, 2022.
- Hatch, J.L. Animal housing requirements, Livestock Day Camp, Montpelier, Idaho, three sessions, June 14, 2022.
- Hatch, J.L. Animal housing requirements, Livestock Day Camp, Grace, Idaho, three sessions, June 14, 2022.
- Hatch, J.L. Animal housing requirements, Livestock Day Camp, Malad, Idaho, three sessions, June 13, 2022.
- Hatch, J.L. Animal housing requirements, Livestock Day Camp, Preston, Idaho, three sessions, June 13, 2022.

Non-Credit Classes, Presentations, Workshops, Seminars, Invited Lectures, etc.:

4-H/Youth Development (cont.):

- Hatch, J.L. and T. Sorenson. Tan your hide, 4-H Camp, Alpine, Wyoming, six sessions, June 6-8, 2022.
- Hatch, J.L. Weeds on the range, Range Field Trip, American Falls, Idaho, four sessions, May 19, 2022.
- Hatch, J.L. Weeds on the range, Range Field Trip, Soda Springs, Idaho, six sessions, May 17, 2022.
- Hatch, J.L. Building leather reins, 4-H Day Camp, Montpelier, Idaho, three sessions, May 6 and 16, 2022.
- Hatch, J.L. Building leather reins, 4-H Day Camp, Soda Springs, Idaho, four sessions, March 18 and 25, 2022.
- Hatch, J.L. and R. Hamilton. Fishing club, Soda Springs, Idaho, July 7, 8, and 9, 2021.
- Hatch, J.L. Rocket classes, Soda Springs, Idaho, June 18 and 29, 2021.
- Hatch, J.L. Horse showmanship clinic, Montpelier, Idaho, June 15, 2021.
- Hatch, J.L. and T. Sorenson. Fire safety and starting, 4-H Camp, Alpine, Wyoming, six sessions, June 7-8, 2021.
- Hatch, J.L. and R. Hamilton. Rocket building, North Gem Elementary, Bancroft, Idaho, May 11 and 17, 2021.
- Hatch, J.L. Building leather reins, 4-H Day Camp, Montpelier, Idaho, April 23, 2021.
- Hatch, J.L. Sewing leather patches on hats, 4-H Day Camp, Preston, Idaho, March 26, 2021.
- Hatch, J.L. Sewing leather patches on hats, 4-H Day Camp, Soda Springs, Idaho, March 19, 2021.
- Hatch, J.L. Building a leather dog leash, 4-H Day Camp, Soda Springs, Idaho, February 5, 2021.
- Hatch, J.L. Building a leather sunglass case, 4-H Day Camp, Soda Springs, Idaho, January 22, 2021.
- Hatch, J.L. and L. Barfuss. Learning to fish, 4-H Day Camp, Soda Springs, Idaho, July 7, 2020.
- Hatch, J.L. and C. Geddes. Learning to tie flies, 4-H Day Camp, Soda Springs, Idaho, July 6, 2020.
- Hatch, J.L. Making leather dog collars, 4-H Day Camp, Soda Springs, Idaho, June 26, 2020.
- Hatch, J.L. Making leather reins, 4-H Day Camp, Soda Springs, Idaho, June 25, 2020.
- Hatch, J.L. Writing letters to potential buyers, Livestock Day Camp, Montpelier, Idaho, June 23, 2020.
- Hatch, J.L. Writing letters to potential buyers, Livestock Day Camp, Preston, Idaho, June 23, 2020.
- Hatch, J.L. Writing letters to potential buyers, Livestock Day Camp, Grace, Idaho, June 23, 2020.
- Hatch, J.L., C. Barfuss, and L. Barfuss. Roping, Working Ranch Horse, Bancroft, Idaho, four sessions, June 11- August 20, 2020.
- Hatch, J.L., B. Somsen, and A. Poulson. Tree identification hike, 4-H Day Camp, Soda Springs, Idaho, June 10, 2020.
- Hatch, J.L., W. Cutler, and L. Barfuss. Caring for your horse, Healthy Horse Clinic, May 15, Bancroft, Idaho, 2020.
- Hatch, J.L., C. Barfuss, and L. Barfuss. Roping, Working Ranch Horse, Bancroft, Idaho, four sessions, June 26- August 15, 2019.
- Hatch, J.L. and A. Poulson. Plant identification hike, 4-H Day Camp, Soda Springs, Idaho, July 10, 2019.
- Hatch, J.L. and A. Poulson. Building bird houses, 4-H Day Camp, Soda Springs, Idaho, July 2, 2019.
- Hatch, J.L. Meat cuts, Livestock Day Camp, Montpelier, Idaho, June 20, 2019.
- Hatch, J.L. and T. Sorenson. Panning for gold, 4-H Camp, Alpine, Wyoming, six sessions, June 10-11, 2019.
- Hatch, J.L. Meat cuts, Livestock Day Camp, American Falls, Idaho, June 3, 2019.
- Hatch, J.L. Meat cuts, Livestock Day Camp, Grace, Idaho, June 3, 2019.
- Hatch, J.L. and L. Barfuss. Rocket building, North Gem Elementary, Bancroft, Idaho, May 9 and 16, 2019.
- Hatch, J.L. Invasive weeds, Range Field Trip, Soda Springs, Idaho, April 29, 2019.
- Hatch, J.L. Leather tooling, Preston Jr. High after school program, Preston, Idaho, February 11-12, 2019.

Non-Credit Classes, Presentations, Workshops, Seminars, Invited Lectures, etc.:

4-H/Youth Development (cont.):

Hatch, J.L. and L. Barfuss. Straw rockets, Soda Springs, Idaho, November 20, 2018.

Hatch, J.L. Leather belt making, 4-H Day Camp, Soda Springs, Idaho, November 16, 30, and December 14, 2018.

SCHOLARSHIP ACCOMPLISHMENTS:

Description of personal contributions

a. Graduate work

* Corresponding author

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:****Journals:**

Sagers, J., R. Findlay, **J.L. Hatch**, G. Shewmaker, K. Jensen, J. Hogge, R. Roemer, and J. Burr. 2020. Determining quality and performance of cool season pasture grasses at high elevation in eastern Idaho. *Journal of the National Association of County Agricultural Agents*, 2158-9429. <https://ch.nacaa.com/journal/index.php?jid=1097>. (3,6)

Extension Publications**Bulletins:**

Hatch, J.L., B. Henderson, and R. K. Patterson, 2022. Black medic, University of Idaho Extension, Green Thumb Bulletin 1015. <https://www.uidaho.edu/extension/publications/publication-detail?id=bul1015>. (3, 4, 5, 6*)

Hatch, J.L., B. Henderson, and R. K. Patterson, 2021. Broadleaf plantain (*Plantago major L.*), University of Idaho Extension, Green Thumb Bulletin 1007. <https://www.uidaho.edu/extension/publications/publication-detail?id=bul1007>. (3, 4, 5, 6*)

Peer-Reviewed/Evaluated:**Extension Publications**

Marshall, J., B.A. Yimer, T. Shelman, L. Jones, **J.L. Hatch**, and S. Windes. 2023. 2022 Small Grains Report. Research Bulletin 206. (3)

Marshall, J., B.A. Yimer, T. Shelman, L. Jones, **J.L. Hatch**, M. Moll, and S. Windes. 2022. 2021 Small Grains Report. Research Bulletin 205. (3)

Marshall, J., B.A. Yimer, T. Shelman, L. Jones, S.A. Baldwin, J. Hogge, **J.L. Hatch**, M. Moll, and S. Windes. 2021. 2020 Small Grains Report. Research Bulletin 204. (3)

Other:**University of Idaho Extension Impact Statements:**

- Hatch, J. L., J. Spackman, J. Marshall, J. Thomas, B. Henderson, R. Findlay, T. Jacobsen, J. Gibbons, R. Patterson, J. Sagers, D. Callister, A. Adjesiwor, and X. Liang. 2023. Local data for local cereal grain growers. <https://www.uidaho.edu/-/media/UIDaho-Responsive/Files/Extension/admin/Impacts/2023/33-23-jhatch-cereal-school.pdf?la=en&hash=72E66DDF07825956A01F30787FE5E41D6BBAF10E>. (1,3,4,5)
- Loomis, G., J. Spackman, R. Findlay, J. Sagers, **J. L. Hatch**, and T. Jacobsen. 2023. Malt barley yield and grain metabolite response to nitrogen and sulfur. <https://www.uidaho.edu/-/media/UIDaho-Responsive/Files/Extension/admin/Impacts/2023/30-23-gloomis-barley-yield.pdf>. (3,6)
- Henderson, B., R. Findlay, **J. L. Hatch**, R. Patterson, J. Rickman, J. Sagers, T. Sorensen, G. Loomis, and D. Callister. 2020. Pesticide recertification credits provided in person and via zoom broadcast. <https://www.uidaho.edu/-/media/UIDaho-Responsive/Files/Extension/admin/Impacts/2020/22-20-bhenderson-pesticide-recertification.pdf?la=en&hash=A8CB847AA315D535E51873C6DF00A753B31E4AAD>. (1, 3, 6)
- Sagers, J., R. Findlay, B. Henderson, **J. L. Hatch**, B. Eborn, and J. Hogge. 2019. Education with a focus on forages helps farmers in eastern Idaho. <https://www.uidaho.edu/-/media/UIDaho-Responsive/Files/Extension/admin/Impacts/2019/39-19-jsagers-forage-school.pdf?la=en&hash=8CDCCA33CF14F8162182CB2A797B187A3A2108F5>. (3, 6)
- Nunn, L. and **J. L. Hatch**. 2019. Beef cattle producers learn improved stockmanship skills to increase profits. <https://www.uidaho.edu/-/media/UIDaho-Responsive/Files/Extension/admin/Impacts/2019/30-19-lnunn-stockmanship.pdf?la=en&hash=9B721A84C91B3957FD989BE218E7A346F51EE23E>. (4 ,5, 6)
- Hatch, J. L., J. Hogge, B. Henderson, J. Sagers, R. Patterson, L. Nunn, and R. Findlay. 2019. Managers gain insights into creating healthy and productive grazing systems. <https://www.uidaho.edu/-/media/UIDaho-Responsive/Files/Extension/admin/Impacts/2019/22-19-jhatch-grazing-systems.pdf?la=en&hash=1423DABF9B472B724ABF5AF6A03B41FA8AE58982>. (1,3,4,5,6)

Research Reports:

- Hatzenbuehler, P., and **J. L. Hatch**. 2023. 2022 Enterprise Budget for Oats in Eastern Idaho. University of Idaho Extension report. <https://www.uidaho.edu/-/media/UIDaho-Responsive/Files/cals/programs/idaho-agbiz/crop-budgets/southeastern-irrigated/2022-enterprise-budget-oats-e-id-pdf.pdf?la=en&hash=743FA20B268CAEEF54D3BCF8470DF31F24A4732D>. (3,6)

Thesis and Dissertations:

- Hatch, J.L., J. Stark, S. Love, and J. Whitworth. 2017. Effects of seed piece spacing, nitrogen rate, and nitrogen application timing on Clearwater Russet. Master of Science Thesis, University of Idaho, Moscow, Idaho. (3, 4, 5, 6)

Grants and Contracts Awarded:

- Hatch, J.L. Caribou County shooting sports. The National Rifle Association Foundation, 2023, \$2,300 (\$2,300 spending authority).
- Ewers, T., M. Stevens, and **J. L. Hatch**. Bear Lake Adventures in Math. Idaho Department of Health and Welfare, 2022-2023, \$60,000 (\$60,000 spending authority).

Grants and Contracts Awarded (cont.):

Duellman, K., J. Woodall, E. Wenniger, and **J. L. Hatch**. Refining an Idaho aphid monitoring network for managing Potato Virus Y risk. Idaho Potato Commission, 2022, \$29,337 (\$1,400 spending authority).

Spackman, J.A., J. Sagers, J.R. Findlay, and **J.L. Hatch**, Optimizing nitrogen fertilizer rates for annual cereal forage production. University of Idaho Extension Innovative Project Grant, 2022, \$10,000 (\$0 spending authority).

Spackman, J.A., and **J.L. Hatch**, Planting dates, seeding rates, and available moisture for dryland winter wheat yields. Idaho Wheat Commission, 2022, \$28,295 (\$0 spending authority).

Sprinkle, J., D. Lauritzen, **J.L. Hatch**, S. Fannesbeck, A. Hulet, and J. Brennan. Grazing behavior for cattle engaged in targeted grazing of cheatgrass. U.S. Forest Service, Caribou-Targhee National Forest, 2020-2024, \$29,965 (\$0 spending authority).

Hatch, J.L. Caribou County 4-H agriculture and environmental programming support. Nutrien Ag Solutions, 2022, \$10,000 (\$10,000 spending authority).

Lindstrom, J., T. Ewers, N. Shelstad, C. Sponseller, M. Toomey, R. Baumgartner, and **J. L. Hatch**. Engaging and Supporting Youth. Idaho Department of Health and Welfare, 2021-2022, \$2,000,000 (\$900 spending authority).

Lindstrom, J., T. Ewers, N. Shelstad, C. Sponseller, M. Toomey, R. Baumgartner, and **J. L. Hatch**. Engaging and Supporting Youth: Caribou County Robotics Outreach Programs. Idaho Department of Health and Welfare, 2021-2022, \$2,000,000 (\$26,000 spending authority).

Lindstrom, J., T. Ewers, M. Stevens, and **J.L. Hatch**. Bear Lake Adventures in Math. Idaho Department of Health and Welfare, 2021-2022, \$80,000 (\$80,000 spending authority).

Hatch, J.L. Caribou County shooting sports. The National Rifle Association Foundation, 2022, \$800 (\$800 spending authority).

Hatch, J.L. Caribou County shooting sports. The National Rifle Association Foundation, 2021, \$3,100 (\$3,100 spending authority).

Duellman, K., J. Woodall, E. Wenniger, and **J. L. Hatch**. Refining an Idaho aphid monitoring network for managing Potato Virus Y risk. Idaho Potato Commission, 2021, \$33,728 (\$1,400 spending authority).

Hatch, J.L. Caribou County shooting sports. The National Rifle Association Foundation, 2020, \$2,500 (\$2,500 spending authority).

Duellman, K., J. Woodall, E. Wenniger, and **J. L. Hatch**. Refining an Idaho aphid monitoring network for managing Potato Virus Y risk. The Idaho Potato Commission, 2020, \$39,317 (\$1,400 spending authority).

Hatch, J.L. Caribou County shooting sports. The National Rifle Association Foundation, 2019, \$4,039.85 (\$4,039.85 spending authority).

In-kind and Industry Support:

Hatch, J.L. New scale system for Caribou County market animal program. Chesterfield Land and Livestock, 2021, \$1,672 (\$1,672 spending authority).

Hatch, J.L. New scale system for Caribou County market animal program. Caribou County Fair Board, 2021, \$3,540 (\$3,540 spending authority).

SERVICE:

Major Committee Assignments:

Regional:

Western Regional 27 Potato Variety Development Technical Committee Meeting, Chairman, 2019

Extension:

Lost Rivers Grazing Academy Planning Committee, 2022-present

Idaho Potato Conference Planning Committee, 2018-present

Co-Chairman, 2022- present

Cereal School Planning Committee, 2018-present

Chairman, 2021- present

District:

Eastern Idaho State Fair, Working Ranch Horse Show Chairman, 2021-present

Idaho Range Livestock Symposium Planning Committee, 2022-present

Southeast Idaho Beef School Planning Committee, 2021-present

Pasture Management Workshop Planning Committee, 2019-present

Eastern District Enhancement Fund Committee, 2020-2022

Eastern District Promotion and Tenure Committee, 2020-2022

Eastern Idaho State Fair, Market Goat Show Chairman, 2018-2021

Eastern Idaho State Fair, Livestock Committee, 2018-2021

Forage School Planning Committee, 2018-present

County/ Local

Bear Lake County 4-H Horse Council, 2022-present

Bear Lake County 4-H/FFA Market Animal Committee, 2022-present

Caribou County Agriculture Appreciation Day Planning Committee, 2019-present

Caribou County 4-H Horse Council, 2018-present

Caribou County 4-H/FFA Market Animal Committee, 2018-present

Professional and Scholarly Organizations:

Idaho Association of County Agricultural Agents, 2018-present

Eastern District Jr. Director, 2020-2022

Public Relations Committee Chairman, 2019-present

National Association of County Agricultural Agents, 2018-present

Outreach Service:

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

State/District:

Working ranch horse show, Eastern Idaho State Fair, Blackfoot, Idaho, September 1, 2023.

Multi-county working ranch horse show, Grace, Idaho, June 17, 2023.

Eastern district 4-H horse contest, Grace, Idaho, June 12, 2023.

Southeast Idaho beef judging contest, Bancroft, Idaho, March 31, 2023.

Forage school, Idaho Falls, Preston, St. Anthony, and Mud Lake, Idaho, March 1-2, 2023.

Cereal school, Burley, Pocatello, Idaho Falls, St. Anthony, Grace, and Preston, Idaho, February 7-10, 2023.

Idaho potato conference, Pocatello, Idaho, January 18-19, 2023.

Idaho range livestock symposium, Homedale, Twin Falls, and Idaho Falls, Idaho, January 10,11,12, 2023.

Effective meetings training, Montpelier, Soda Springs, Idaho, January 5, 2023.

Southeast Idaho pesticide applicator training seminar, Online, December 7, 2022.

Big loop 4-H ranch roping clinic, Pocatello, Idaho, November 19, 2022.

Beef school, Blackfoot, Montpelier, and Malad, Idaho, November 8-10, 2022.

Working ranch horse show, Eastern Idaho State Fair, Blackfoot, Idaho, September 3, 2022.

Southeast Idaho beef judging contest, Bancroft, Idaho, April 1, 2022.

Classes, Workshops, Seminars, Share Fairs and Tours Organized:**State/District (cont.):**

Cereal school, Online, February 2, 2022.
 Idaho potato conference, Pocatello, Idaho, January 19-20, 2022.
 Working ranch horse show, Eastern Idaho State Fair, Blackfoot, Idaho, September 3, 2021.
 Livestock day camp, Grace, Preston, Montpelier, and Malad, Idaho, June 22- 23, 2021.
 Forage school, Online, March 17, 2021.
 Southeast Idaho pesticide applicator training seminar, Online, March 11, 2021.
 Pasture management workshops, Online, February 9, 16, and 23, 2021.
 Southern Idaho cereal school, Online, February 2-3, 2021.
 Market goat show, Eastern Idaho State Fair, Blackfoot, Idaho, September 10, 2020.
 Cereal school, Burley, Pocatello, Idaho Falls, Ashton, and Preston, Idaho, February 4-7 and 13, 2020.
 Market goat show, Eastern Idaho State Fair, Blackfoot, Idaho, September 5, 2019.
 Market goat show, Eastern Idaho State Fair, Blackfoot, Idaho, September 6, 2018.

County

Bear Lake County Fair, Montpelier, Idaho, August 14-19, 2023.
 Caribou County Fair, Grace, Idaho, July 31- August 5, 2023.
 Bear Lake County Fair, Montpelier, Idaho, August 13-20, 2022.
 Caribou County Fair, Grace, Idaho, August 1-6, 2022.
 Bear Lake County Fair, Montpelier, Idaho, August 23-28, 2021.
 Caribou County Fair, Grace, Idaho, July 26-30, 2021.
 Beef judging contest, Bancroft, Idaho, April 2, 2021.
 Bear Lake County Fair, Montpelier, Idaho, August 10-15, 2020.
 Caribou County Fair, Grace, Idaho, July 27-31, 2020.
 Caribou County Grain Seminar, Soda Springs, Idaho, February 14, 2020.
 Caribou County Fair, Grace, Idaho, July 29- August 3, 2019.
 Forage school, Soda Springs Idaho, March 13, 2019.
 Caribou County grain seminar, Grace Idaho, March 8, 2019.
 Gardening classes, 6-week course, Soda Springs Idaho, March 7 – April 11, 2019.

Tours

Caribou County cereal field tour, Soda Springs Idaho, July 25, 2023.
 Caribou County agriculture appreciation day, Soda Springs Idaho, June 21, 2023.
 Caribou County cereal field tour, Soda Springs Idaho, July 21, 2022.
 Forage field tours, Aberdeen, and Rexburg, Idaho May 19, 20, 2022.
 Caribou County cereal field tour, Soda Springs Idaho, July 22, 2021.
 Caribou County agriculture appreciation day, Soda Springs Idaho, June 16, 2021.
 Caribou County agriculture appreciation day, Soda Springs Idaho, June 25, 2019.
 Caribou County cereal field tour, Soda Springs Idaho, July 23, 2019.

Miscellaneous Extension Publications:**Ag Talk Report:**

Keeping an eye on aphids in southeast Idaho, September 2023.

Eastern Idaho Pest Alert:

Broadleaf plantain. May 2020.

Bear Lake County Extension Newsletter:

Nitrogen applications on irrigated pastures. March 2020.

Popular Press:**The News Examiner, Circulation 584**

War on Weeds, Tumble mustard, October 21, 2023.
 War on Weeds, Palmer amaranth, October 14, 2023.
 War on Weeds, Cheatgrass, October 7, 2023.

Popular Press:

The News Examiner, Circulation 584 (cont.):
War on Weeds, Medusahead, September 23, 2023.
War on Weeds, Japanese and bohemian knotweed, September 9, 2023.
War on Weeds, Tansy ragwort, September 2, 2023.
War on Weeds, Common tansy, August 26, 2023.
War on Weeds, Oxeye daisy, August 19, 2023.
War on Weeds, Yellow toadflax, July 22, 2023.
War on Weeds, Purple loosestrife, July 15, 2023.
War on Weeds, Western water hemlock, July 8, 2023.
War on Weeds, Dalmatian toadflax, July 1, 2023.
War on Weeds, Curlyleaf pondweed, June 24, 2023.
War on Weeds, Buffalobur, June 17, 2023.
War on Weeds, Henbit, June 10, 2023.
War on Weeds, Cutleaf vipergrass, June 3, 2023.
War on Weeds, Puncturevine, December 16, 2022.
War on Weeds, Bur buttercup, December 9, 2022.
War on Weeds, Cogon grass, November 11, 2022.
War on Weeds, Large crabgrass, November 4, 2022.
War on Weeds, Annual bluegrass, October 28, 2022.
War on Weeds, field bindweed, October 21, 2022.
War on Weeds, Siberian elm, October 7, 2022.
War on Weeds, Common burdock, September 30, 2022.
War on Weeds, Leafy spurge, September 23, 2022.
War on Weeds, Western salsify, September 16, 2022.
War on Weeds, Canada thistle, September 9, 2022.
War on Weeds, White bryony, September 2, 2022.
War on Weeds, Scotch thistle, August 26, 2022.
War on Weeds, Spotted knapweed, August 19, 2022.
War on Weeds, Russian knapweed, August 12, 2022.
War on Weeds, Diffuse knapweed, August 5, 2022.
War on Weeds, Bittersweet nightshade, July 29, 2022.
War on Weeds, Black medic, July 22, 2022.
War on Weeds, Russian olive, July 15, 2022.
War on Weeds, Poison hemlock, July 8, 2022.
War on Weeds, Skeletonleaf bursage, July 1, 2022.
War on Weeds, Dyer's woad, June 24, 2022.
War on Weeds, Matgrass, June 17, 2022.
War on Weeds, Whitetop, June 10, 2022.
War on Weeds, Bulbous bluegrass, June 3, 2022.
War on Weeds, Common crupina, May 27, 2022.
War on Weeds, Common mallow, May 20, 2022.
War on Weeds, Bull thistle, May 13, 2022.
War on Weeds, Houndstongue, May 6, 2022.
War on Weeds, Common chickweed, April 29, 2022.
War on Weeds, Prickly lettuce, April 22, 2022.
War on Weeds, Fanwort, April 15, 2022.
War on Weeds, Common teasel, April 8, 2022.
War on Weeds, Common frogbit, April 1, 2022.
War on Weeds, Shepherd's purse, March 25, 2022.
War on Weeds, Musk thistle, March 18, 2022.
War on Weeds, Common reed, March 11, 2022.
War on Weeds, Yellow starthistle, March 4, 2022.
War on Weeds, Yellow floating heart, February 25, 2022.
War on Weeds, Russian thistle, February 18, 2022.
War on Weeds, Eurasian watermilfoil, February 11, 2022.
War on Weeds, Yellow flag iris, February 4, 2022.

Popular Press:

The News Examiner, Circulation 584 (cont.):
 War on Weeds, Yellow devil hawkweed, January 28, 2022.
 War on Weeds, Water hyacinth, January 21, 2022.
 War on Weeds, Water chestnut, January 14, 2022.
 War on Weeds, Tall hawkweed, January 7, 2022.
 War on Weeds, Syrian beancaper, December 31, 2021.
 War on Weeds, Squarrose knapweed, December 24, 2021.
 War on Weeds, Black henbane, December 17, 2021.
 War on Weeds, Scotch broom and other brooms, December 10, 2021.
 War on Weeds, Saltcedar, December 3, 2021.
 War on Weeds, Purple starthistle, November 26, 2021.
 War on Weeds, Policeman's helmet, November 19, 2021.
 War on Weeds, Perennial pepperweed, November 12, 2021.
 War on Weeds, Parrotfeather milfoil, November 5, 2021.
 War on Weeds, Orange hawkweed, October 29, 2021.
 War on Weeds, Milium, October 22, 2021.
 War on Weeds, Mediterranean sage, October 15, 2021.
 War on Weeds, Meadow knapweed, October 8, 2021.
 War on Weeds, Meadow hawkweed, October 1, 2021.
 War on Weeds, Quackgrass, September 24, 2021.
 War on Weeds, Jointed goatgrass, September 17, 2021.
 War on Weeds, Johnsongrass, September 10, 2021.
 War on Weeds, Giant knotweed, September 3, 2021.
 War on Weeds, Iberian starthistle, August 27, 2021.
 War on Weeds, Hydrilla, August 20, 2021.
 War on Weeds, Hoary alyssum, August 13, 2021.
 War on Weeds, Giant hogweed, August 6, 2021.
 War on Weeds, Flowering rush, July 30, 2021.
 War on Weeds, Feathered mosquito fern, July 23, 2021.

Caribou County Sun, Circulation 2,242

War on Weeds, Tumble mustard, October 21, 2023.
 War on Weeds, Palmer amaranth, October 14, 2023.
 War on Weeds, Cheatgrass, October 7, 2023.
 War on Weeds, Medusahead, September 23, 2023.
 War on Weeds, Japanese and bohemian knotweed, September 9, 2023.
 War on Weeds, Tansy ragwort, September 2, 2023.
 War on Weeds, Common tansy, August 26, 2023.
 War on Weeds, Oxeye daisy, August 19, 2023.
 War on Weeds, Yellow toadflax, July 22, 2023.
 War on Weeds, Purple loosestrife, July 15, 2023.
 War on Weeds, Western water hemlock, July 8, 2023.
 War on Weeds, Dalmatian toadflax, July 1, 2023.
 War on Weeds, Curlyleaf pondweed, June 24, 2023.
 War on Weeds, Buffalobur, June 17, 2023.
 War on Weeds, Henbit, June 10, 2023.
 War on Weeds, Cutleaf vipergrass, June 3, 2023.
 War on Weeds, Puncturevine, December 16, 2022.
 War on Weeds, Bur buttercup, December 9, 2022.
 War on Weeds, Cogon grass, November 11, 2022.
 War on Weeds, Large crabgrass, November 4, 2022.
 War on Weeds, Annual bluegrass, October 28, 2022.
 War on Weeds, field bindweed, October 21, 2022.
 War on Weeds, Siberian elm, October 7, 2022.
 War on Weeds, Common burdock, September 30, 2022.
 War on Weeds, Leafy spurge, September 23, 2022.

Popular Press:

Caribou County Sun, Circulation 2,242 (cont.):
War on Weeds, Western salsify, September 16, 2022.
War on Weeds, Canada thistle, September 9, 2022.
War on Weeds, White bryony, September 2, 2022.
War on Weeds, Scotch thistle, August 26, 2022.
War on Weeds, Spotted knapweed, August 19, 2022.
War on Weeds, Russian knapweed, August 12, 2022.
War on Weeds, Diffuse knapweed, August 5, 2022.
War on Weeds, Bittersweet nightshade, July 29, 2022.
War on Weeds, Black medic, July 22, 2022.
War on Weeds, Russian olive, July 15, 2022.
War on Weeds, Poison hemlock, July 8, 2022.
War on Weeds, Skeletonleaf bursage, July 1, 2022.
War on Weeds, Dyer's woad, June 24, 2022.
War on Weeds, Matgrass, June 17, 2022.
War on Weeds, Whitetop, June 10, 2022.
War on Weeds, Bulbous bluegrass, June 3, 2022.
War on Weeds, Common crupina, May 27, 2022.
War on Weeds, Common mallow, May 20, 2022.
War on Weeds, Bull thistle, May 13, 2022.
War on Weeds, Houndstongue, May 6, 2022.
War on Weeds, Common chickweed, April 29, 2022.
War on Weeds, Prickly lettuce, April 22, 2022.
War on Weeds, Fanwort, April 15, 2022.
War on Weeds, Common teasel, April 8, 2022.
War on Weeds, Common frogbit, April 1, 2022.
War on Weeds, Shepherd's purse, March 25, 2022.
War on Weeds, Musk thistle, March 18, 2022.
War on Weeds, Common reed, March 11, 2022.
War on Weeds, Yellow starthistle, March 4, 2022.
War on Weeds, Yellow floating heart, February 25, 2022.
War on Weeds, Russian thistle, February 18, 2022.
War on Weeds, Eurasian watermilfoil, February 11, 2022.
War on Weeds, Yellow flag iris, February 4, 2022.
War on Weeds, Yellow devil hawkweed, January 28, 2022.
War on Weeds, Water hyacinth, January 21, 2022.
War on Weeds, Water chestnut, January 14, 2022.
War on Weeds, Tall hawkweed, January 7, 2022.
War on Weeds, Syrian beancaper, December 31, 2021.
War on Weeds, Squarrose knapweed, December 24, 2021.
War on Weeds, Black henbane, December 17, 2021.
War on Weeds, Scotch broom and other brooms, December 10, 2021.
War on Weeds, Saltcedar, December 3, 2021.
War on Weeds, Purple Starthistle, November 26, 2021.
War on Weeds, Policeman's helmet, November 19, 2021.
War on Weeds, Perennial pepperweed, November 12, 2021.
War on Weeds, Parrotfeather milfoil, November 5, 2021.
War on Weeds, Orange hawkweed, October 29, 2021.
War on Weeds, Milium, October 22, 2021.
War on Weeds, Mediterranean sage, October 15, 2021.
War on Weeds, Meadow knapweed, October 8, 2021.
War on Weeds, Meadow hawkweed, October 1, 2021.
War on Weeds, Quackgrass, September 24, 2021.
War on Weeds, Jointed goatgrass, September 17, 2021.
War on Weeds, Johnsongrass, September 10, 2021.
War on Weeds, Giant knotweed, September 3, 2021.

Popular Press:

Caribou County Sun, Circulation 2,242 (cont.):
 War on Weeds, Iberian starthistle, August 27, 2021.
 War on Weeds, Hydrilla, August 20, 2021.
 War on Weeds, Hoary alyssum, August 13, 2021.
 War on Weeds, Giant hogweed, August 6, 2021.
 War on Weeds, Flowering rush, July 30, 2021.
 War on Weeds, Feathered mosquito fern, July 23, 2021.

Farm and Ranch Newspaper 30,000 (80,000 on the last Friday of the month)

War on Weeds, Tumble mustard, October 21, 2023.
 War on Weeds, Palmer amaranth, October 14, 2023.
 War on Weeds, Cheatgrass, October 7, 2023.
 War on Weeds, Medusahead, September 23, 2023.
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 War on Weeds, Common tansy, August 26, 2023.
 War on Weeds, Oxeye daisy, August 19, 2023.
 War on Weeds, Yellow toadflax, July 22, 2023.
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 War on Weeds, Western water hemlock, July 8, 2023.
 War on Weeds, Dalmatian toadflax, July 1, 2023.
 War on Weeds, Curlyleaf pondweed, June 24, 2023.
 War on Weeds, Buffalobur, June 17, 2023.
 War on Weeds, Henbit, June 10, 2023.
 War on Weeds, Cutleaf vipergrass, June 3, 2023.
 War on Weeds, Puncturevine, December 16, 2022.
 War on Weeds, Bur buttercup, December 9, 2022.
 War on Weeds, Cogon grass, November 11, 2022.
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 War on Weeds, Siberian elm, October 7, 2022.
 War on Weeds, Common burdock, September 30, 2022.
 War on Weeds, Leafy spurge, September 23, 2022.
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 War on Weeds, Black medic, July 22, 2022.
 War on Weeds, Russian olive, July 15, 2022.
 War on Weeds, Poison hemlock, July 8, 2022.
 War on Weeds, Skeletonleaf bursage, July 1, 2022.
 War on Weeds, Dyer's woad, June 24, 2022.
 War on Weeds, Matgrass, June 17, 2022.
 War on Weeds, Whitetop, June 10, 2022.
 War on Weeds, Bulbous bluegrass, June 3, 2022.
 War on Weeds, Common crupina, May 27, 2022.
 War on Weeds, Common mallow, May 20, 2022.
 War on Weeds, Bull thistle, May 13, 2022.
 War on Weeds, Houndstongue, May 6, 2022.
 War on Weeds, Common chickweed, April 29, 2022.
 War on Weeds, Prickly lettuce, April 22, 2022.

Popular Press:

Farm and Ranch Newspaper 30,000 (80,000 on the last Friday of the month) (cont.):
 War on Weeds, Fanwort, April 15, 2022.
 War on Weeds, Common teasel, April 8, 2022.
 War on Weeds, Common frogbit, April 1, 2022.
 War on Weeds, Shepherd's purse, March 25, 2022.
 War on Weeds, Musk thistle, March 18, 2022.
 War on Weeds, Common reed, March 11, 2022.
 War on Weeds, Yellow starthistle, March 4, 2022.
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 War on Weeds, Parrotfeather milfoil, November 5, 2021.
 War on Weeds, Orange hawkweed, October 29, 2021.
 War on Weeds, Miliun, October 22, 2021.
 War on Weeds, Meadow knapweed, October 8, 2021.
 War on Weeds, Mediterranean sage, October 15, 2021.
 War on Weeds, Meadow hawkweed, October 1, 2021.
 War on Weeds, Quackgrass, September 24, 2021.
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 War on Weeds, Johnsongrass, September 10, 2021.
 War on Weeds, Giant knotweed, September 3, 2021.
 War on Weeds, Iberian starthistle, August 27, 2021.
 War on Weeds, Hydrilla, August 20, 2021.
 War on Weeds, Hoary alyssum, August 13, 2021.
 War on Weeds, Giant hogweed, August 6, 2021.
 War on Weeds, Flowering rush, July 30, 2021.
 War on Weeds, Feathered mosquito fern, July 23, 2021.

Preston Citizen

Nitrogen sources for irrigated pasture, April 21, 2021.

Progressive Forage Magazine E-Newsletter

More bang for your buck: Which nitrogen applications for irrigated pasture? April 29, 2020.

Applied Research/Demonstration Trials:

Grazing behavior for cattle engaged in targeted grazing of cheatgrass, U.S. Forest Service, Caribou-Targhee National Forest, 2020-2024.
 Caribou county wheat and barley variety trials, 2019-2023.
 Refining an Idaho aphid monitoring network for managing potato virus Y risk, Grace, Idaho, 2019-2023.
 Evaluation of herbicide damage on teff, Aberdeen and Kimberly, Idaho, 2021.
 Determining quality and performance of cool season pasture grasses at high elevation in eastern Idaho, Tetonia, Idaho, 2019-2020.

Applied Research/Demonstration Trials (cont.):

- Effect of nitrogen source and rate on economics of growing irrigated pasture grass, Chesterfield, Idaho, 2019-2020.
- Effect of cover crop termination timing on soil moisture, Soda Springs, Idaho, 2019-2020.

Judging:

- Life skills mock job interviews, North Gem High School, Bancroft, Idaho, October 25, 2023.
- Market animal project interview, Bear Lake County Fair, Montpelier, Idaho, August 8-9, 2023.
- Bull grading, Elk Valley Grazing Association, Montpelier, Idaho, May 8-9, 2023.
- Bull grading, Dry Valley Grazing Association, Montpelier, Idaho, April 19, 2023.
- Bull grading, Gentile Valley Grazing Association, Grace, Idaho, April 19, 2023.
- Round robin horse showmanship, Bear Lake County Fair, Montpelier, Idaho, August 19, 2022.
- Market animal project interview, Bear Lake County Fair, Montpelier, Idaho, August 9-10, 2022.
- Bull grading, Elk Valley Grazing Association, Montpelier, Idaho, May 9-10, 2022.
- Bull grading, Dry Valley Grazing Association, Montpelier, Idaho, April 20, 2022.
- Bull grading, Gentile Valley Grazing Association, Grace, Idaho, April 20, 2022.
- Round robin horse showmanship, Bear Lake County Fair, Montpelier, Idaho, August 27, 2021.
- Market animal project interview, Bear Lake County Fair, Montpelier, Idaho, August 11-12, 2021.
- Bull grading, Elk Valley Grazing Association, Montpelier, Idaho, May 3-4, 2021.
- Bull grading, Dry Valley Grazing Association, Montpelier, Idaho, April 21, 2021.
- Bull grading, Gentile Valley Grazing Association, Grace, Idaho, April 21, 2021.
- Market animal project interview, Bear Lake County Fair, Montpelier, Idaho, August 6-7, 2020.
- Bull grading, Elk Valley Grazing Association, Montpelier, Idaho, May 4-5, 2020.
- Bull grading, Dry Valley Grazing Association, Montpelier, Idaho, April 28, 2020.
- Bull grading, Gentile Valley Grazing Association, Grace, Idaho, April 28, 2020.
- Bull grading, Gentile Valley Grazing Association, Grace, Idaho, April 24, 2019.

Review Activities:

- University of Idaho, Extension bulletin, June 2, 2023.
- University of Idaho, Extension bulletin, October 31, 2022.
- University of Idaho, Extension bulletin, October 10, 2022.
- University of Idaho, Extension bulletin, September 27, 2022.
- University of Idaho, Pacific Northwest Extension Publication, May 31, 2022.
- University of Idaho, Extension bulletin, October 8, 2020.
- University of Idaho, Extension bulletin, August 11, 2020.
- University of Idaho, Extension bulletin, April 2, 2020.
- University of Idaho, Extension Idaho green thumb how to, August 6, 2019.
- University of Idaho, Extension publication, August 6, 2019.

PROFESSIONAL DEVELOPMENT:**Outreach:**

- University of Idaho Extension eastern district fall professional development meetings, Montpelier Idaho, September 20-21, 2023.
- Idaho Association of County Agricultural Agents summer meeting, Rigby, Idaho, May 31 -June 1, 2023.
- University of Idaho Extension livestock in-service, Salmon, Idaho, May 18-19, 2023.
- University of Idaho Extension eastern district faculty meeting, Pocatello, Idaho, April 27, 2023.
- Preparing for the promotion and tenure process, Online, April 18, 2023.
- University of Idaho Extension Annual Conference, Sun Valley, Idaho, April 10-13, 2023.
- Calving management, Salmon, Idaho, March 13-15, 2023.
- Idaho potato conference, Pocatello, Idaho, January 18-19, 2023.
- Idaho range livestock symposium, Idaho Falls, Idaho, January 12, 2023.
- Artificial insemination school, Salmon, Idaho, December 14-16, 2022.
- Teams training, CALS Eastern District Ag/Hort Team, November 14, 2022.
- University of Idaho Extension eastern district fall professional development meetings, Montpelier Idaho, November 2-3, 2022.
- Food production systems meeting, Priority Extension Theme, Online, September 22, 2022.
- Lost rivers grazing academy, Salmon, Idaho, September 13-16, 2022.

PROFESSIONAL DEVELOPMENT:

Outreach (cont.):

Forage field day, Rexburg, Idaho, May 20, 2022.
University of Idaho Extension eastern district faculty meeting, Rigby, Idaho, April 27, 2022.
University of Idaho Extension Annual Conference, Moscow, Idaho, April 11-15, 2022.
Southeast Idaho pesticide applicator training, Online, March 10, 2022.
Forage school, Preston, Idaho, March 2, 2022.
Direct seed workshop, Idaho Falls, Idaho, March 1, 2022.
Idaho hay and forage conference, Twin Falls, Idaho, February 17, 2022
Pasture management workshop, Montpelier, Idaho, February 16, 2022.
Cereal school, Online, February 2, 2022.
Idaho potato conference, Pocatello, Idaho, January 19, 2022.
Lego robotics training, Rigby, Idaho, January 10, 2022.
Beef school, Montpelier, Idaho, December 9, 2021.
Southeast Idaho pesticide applicator training, Online, Dec 7, 2021.
University of Idaho Extension think make create trailer training, Montpelier Idaho, October 19, 2021.
University of Idaho Extension eastern district fall professional development meetings, Challis Idaho, September 28, 2021.
University of Idaho Extension cereal field day, Aberdeen, Idaho, July 21, 2021.
Idaho 4-H shooting sports training, Air Pistol, May 15, 2021.
Green pastures farm, Pasture Management Workshop, Clark, Missouri, May 6-8, 2021.
University of Idaho Extension annual conference, Online, April 13-15, 2021.
Idaho range livestock symposium, Online, January 12, 2021.
Beef quality assurance training, Thatcher, Idaho, January 4, 2021.
Idaho agricultural outlook seminar, Online, December 15-18, 2020.
From the ground up: cover crop solutions for western farmers, Online, December 10, 2020.
Creating and maintaining an excellent UI Extension curriculum vitae, Online, October 8, 2020.
University of Idaho Extension eastern district fall professional development meetings, Online, Idaho, October 6-7, 2020.
Idaho Association of County Agricultural Agents meeting, Shoshone, Idaho, September 23, 2020.
Digital measures training, Online, June 19, 2020.
University of Idaho Extension eastern district faculty meeting, Online, April 29, 2020.
University of Idaho Extension annual conference, Online, April 15-16, 2020.
Idaho potato conference, Pocatello, Idaho, January 22-23, 2020.
Idaho seed potato growers seminar, Pocatello, Idaho, January 21, 2020.
Beef school, Montpelier, Idaho, November 7, 2019.
Beef school, Montpelier, Idaho, October 30, 2019.
Stockmanship workshop, Bancroft, Idaho, September 25, 2019.
University of Idaho Extension eastern district fall professional development meetings, Pocatello, Idaho, September 23-24, 2019.
Montana black angus tour, Missoula, Montana, September 16-20, 2019.
University of Idaho cereal grain variety trial tour, Soda Springs, Idaho, July 23, 2019.
Farm bureau pasture tour, Chesterfield, Idaho, July 20, 2019.
Westbred cereal variety trial tour, Grace, Idaho, July 19, 2019.
Potato weed control tour, Aberdeen, Idaho, June 25, 2019.
Stockmanship clinic, Carmen, Idaho, April 16-19, 2019.
Black canyon trout farm tour, Grace, Idaho, April 10, 2019.
University of Idaho Extension annual conference, Idaho Falls, Idaho, March 25-28, 2019.
Bingham cooperative chemical/pesticide safety workshop, Soda Springs, Idaho, February 26, 2019.
Seed potato research advisory meeting, Idaho Falls, Idaho, February 20, 2019.
Idaho grain inspection tour, Pocatello, Idaho, February 15, 2019.
Western regional 27 potato variety development technical committee meeting, Boise, Idaho, January 29, 2019.
Idaho potato conference, Pocatello, Idaho, January 23-24, 2019.
Idaho seed potato growers seminar, Pocatello, Idaho, January 22, 2019.
Idaho noxious weed conference, Boise Idaho, January 16-17, 2019.
Thrips identification in-service, Rupert, Idaho, January 9, 2019.

PROFESSIONAL DEVELOPMENT:**Outreach (cont.):**

- Idaho range livestock symposium, Online, January 8, 2019.
- Idaho agricultural outlook seminar, Idaho Falls, Idaho, December 12, 2018.
- Plan of work extension meeting, Boise, Idaho, November 27-29, 2018.
- Beef school, Soda Springs, Idaho, November 7, 14, 2018.
- Cover crop field day, Blackfoot, Idaho, October 25, 2018.
- Food production systems meeting, Priority Extension Theme, Online meeting, September 28, 2018.
- County chair 4-H meeting, Online, September 26, 2018.
- Lost rivers grazing academy, Salmon Idaho, September 11-14, 2018.
- Idaho association of county agricultural agents east district coordination meeting, Online, September 24, 2018.
- New faculty Orientation, Moscow, Idaho, August 13-16, 2018.

Administration/Management:

- University of Idaho county chair training, Idaho Falls, Idaho, September 19-20, 2023.
- Now and later: living in the moment and creating a hopeful future, Online, March 30, 2023.
- Leadership Idaho agriculture, Boise, Idaho, January 24-28, 2022.
- County chair training, Online, May 24, 2021.
- Leadership Idaho agriculture, Twin Falls, Idaho, March 8-12, 2021.
- Leadership Idaho agriculture, Idaho Falls, Idaho, February 22-26, 2021.
- Leadership Idaho agriculture, Moscow Idaho, November 2-5, 2020.
- Maintaining your county extension office civil rights file training, Online, May 28, 2020.
- County chair training- county memorandum of understanding and budget planning update, Online, April 28, 2020.
- Different generations in the workplace, Central and Eastern District professional development meetings, Online, November 4, 2019.
- Effective meetings workshop, Pocatello Idaho, November 13, 2018.

University of Idaho Professional Development and Learning Online Courses:

- Targeted violence response; run hide fight, Online, October 18, 2023.
- Recognizing and reporting sex-based misconduct, Online, October 18, 2023.
- IT security awareness training, Online, October 18, 2023.
- Fire safety in the workplace, Online, October 18, 2023.
- Family educational rights and privacy act (FERPA): a student's right to privacy, Online, October 18, 2023.
- Employee policies and expectations review, Online, October 18, 2023.
- Conflicts of interest or commitment: identify and report, Online, October 18, 2023.
- IT security awareness training, Online, October 21, 2022.
- Conflicts of interest or commitment: identify and report, Online, September 28, 2022.
- Learning confirmation: DEI & groundswell, Online, September 28, 2022.
- Diversity and inclusion, Online, October 5, 2021.
- Creating a respectful community, Online, October 5, 2021.
- Fire safety in the workplace, Online, October 5, 2021.
- Stewardship of resources, Online, Online, October 5, 2021.
- IT security awareness, Online, October 5, 2021.
- The art of giving and receiving constructive feedback, Online, November 18, 2020.
- Using OneDrive, Microsoft teams, and other IT tools, University of Idaho extension professional development training, Online, May 4, 2020.
- University of Idaho promotion and tenure training, Online, May 1, 2020.
- Best practices, tips, and tricks for hosting professional webinars, Online, March 17, 2020.
- FastTrack and the peer-referee process, Online, February 3, 2020.
- Creating a respectful community, Online, January 15, 2020.
- Diversity and inclusion, Online, January 15, 2020.
- Fire safety in the workplace, Online, January 15, 2020.
- IT security awareness, Online, January 15, 2020.

University of Idaho Professional Development and Learning Online Courses (cont.):

Avoiding burnout, Central and Eastern District professional development meetings, Online training,
April 1, 2019.

Security awareness training, September 27, 2018.

Creating a respectful community, September 27, 2018.