

CURRICULUM VITAE FOR EXTENSION EDUCATOR FACULTY

University of Idaho

NAME: Justin Lorin Hatch

DATE: 10/31/2022

RANK OR TITLE: Assistant Professor
Extension Educator- Cereal Grain Cropping Systems, Pasture Management, 4-H/Youth
DEPARTMENT: Extension Eastern District

OFFICE LOCATION: Caribou County Extension Office
53 East 1st South
Soda Springs, Idaho 83271

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

Academic Administrative Appointments:

County Chair, Bear Lake County Extension Office, University of Idaho, Montpelier, Idaho 2022-present.
County Chair, Caribou County Extension Office, University of Idaho, Soda Springs, Idaho 2018-present.
Interim County Chair, Bear Lake County Extension Office, University of Idaho, Montpelier, Idaho 2020-2022.

Non-Academic Employment including Armed Forces:

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

TEACHING ACCOMPLISHMENTS:

Areas of Specialization:

Agriculture, 4-H/Youth

Interns/ Students Advised:

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

Displays and Posters:

Eeturu, P. J. Spackman, J. Sagers, R. Findlay, and **J. L. Hatch**, Impacts of nitrogen on the yield of different varieties of forage oats, barley, and teff, American Society of Agronomy, Salt Lake City, Utah, November 7-10, 2021.

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

- 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, Master Gardener, 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, May 26, 2021.
- Hatch, J.L. and B. Henderson, Drip irrigation and micro-irrigation, Oneida County Gardening Classes, May 20, 2021.
- Hatch, J.L. Maintaining healthy pastures through grazing, Pasture Management Workshops, Online presentation, February 16, 2021.
- Hatch, J.L. Turfgrass management, Master Gardener, 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, Terretton, 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.

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

Agriculture (cont.):

- 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, Zoom broadcasted, 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, Master Gardener, Idaho Falls, Idaho, February 7, 2019.
- Hatch, J.L. Turfgrass management, Master Gardener, Pocatello, Idaho, February 6, 2019.
- Hatch, J.L. Turfgrass management, Master Gardener, 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. 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.

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

4-H/Youth Development (cont.):

- 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.
- 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, 16, 2022.
- Hatch, J.L. Building leather reins, 4-H Day Camp, Soda Springs, Idaho, four sessions, March 18, 25, 2022.
- Hatch, J.L. and R. Hamilton. Fishing club, Soda Springs, Idaho, July 7, 8, 9, 2021.
- Hatch, J.L. Rocket classes, Soda Springs, Idaho, June 18, 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, 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., C. Barfuss, and L. Barfuss. Roping, Working Ranch Horse, Bancroft, Idaho, Semimonthly 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, 2020.
- Hatch, J.L., C. Barfuss, and L. Barfuss. Roping, Working Ranch Horse, Bancroft, Idaho, Semimonthly 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, 16, 2019.

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

4-H/Youth Development (cont.):

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.

Hatch, J.L. and L. Barfuss. Straw rockets, Youth development, 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:

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://www.nacaa.com/journal/index.php?jid=1097>. (3,6)

Extension Publications

Bulletins:

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)

Hatch, J.L., B. Henderson, and R. K. Patterson, 2022. Black medic, university of Idaho Green Thumb Bulletin 1015. (3, 4, 5, 6*)

Hatch, J.L., B. Henderson, and R. K. Patterson, 2021. Broadleaf plantain (*Plantago major L.*), university of Idaho Green Thumb Bulletin 1007. (3, 4, 5, 6*)

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:

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/UIIdaho-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. Educators with a focus on forages helps farmers in eastern Idaho. <https://www.uidaho.edu/-/media/UIIdaho-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/UIIdaho-Responsive/Files/Extension/admin/Impacts/2019/30-19-lnunn-stockmanship.pdf?la=en&hash=9B721A84C91B3957FD989BE218E7A346F51EE23E>. (4, 5, 6)

University of Idaho Extension Impact Statements (cont.):

Hatch, J. L., J. Hogge, B. Henderson, J. Sagers, R. Patterson, L. Nunn, R. Findlay, May 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)

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. M.S. Thesis, University of Idaho, Moscow, Idaho. (3, 4, 5, 6)

Grants and Contracts Awarded:

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, **J.L. Hatch**, University of Idaho Extension Innovative Project Grant, 2022, \$10,000.

Sagers, J., J.A. Spackman, J.R. Findlay, **J.L. Hatch**, University of Idaho Extension Innovative Project Grant, 2022, \$10,000.

Spackman, J.A., **J.L. Hatch**, Idaho Wheat Commission, 2022, \$28,295.

Sprinkle, J., D. Lauritzen, **J.L. Hatch**, S. Fommesbeck, A. Hulet, and J. Brennan, U.S. Forest Service, Caribou-Targhee National Forest, 2020-2024, \$29,965.

Hatch, J.L. Caribou County 4-H agriculture and environmental programing 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).

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., B. Henderson, and P. Hutchinson. Herbicide and crop rotation calculator application, The Idaho Barley Commission, 2021, \$5,000 (\$5,000 spending authority).

Hatch, J.L., B. Henderson, and P. Hutchinson, Herbicide and crop rotation calculator application, The Idaho Bean Commission, 2021, \$2,500. (\$2,500 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, \$1,672.00 (\$1,672.00 spending authority).

Hatch, J.L. New scale system for Caribou County market animal program, Caribou County Fair Board, 2021, \$3,540.04 (\$3,540.04 spending authority).

SERVICE:

Major Committee Assignments:

Regional:

Idaho Potato Conference Planning Committee, 2018-present
Co-Chairman, 2022- present
Cereal School Planning Committee, 2018-present
Chairman, 2021- present
Lost Rivers Grazing Academy Planning Committee, 2022-present
Western Regional 27 Potato Variety Development Technical Committee Meeting, Chairman, 2019

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
Eastern District Enhancement Fund Committee, 2020-present
Eastern District Promotion and Tenure Committee, 2020-present
Pasture Management Workshop Planning Committee, 2019-present
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

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:

Eastern Idaho State Fair, Working Ranch Horse Show, September 2, 2022.
Southeast Idaho Beef Judging Contest, Bancroft, Idaho, April 1, 2022.
Southeast Idaho Pesticide Applicator Training Seminar, Online, March 10, 2022.
Cereal School, Online, February 2, 2022.
Idaho Potato Conference, Pocatello, Idaho, January 19, 20, 2022.
Livestock Day Camp, Grace, Preston, Montpelier, and Malad, Idaho, June 22, 23, 2021.
County Horticulture Classes, Malad, Preston, and Soda Springs, Idaho, April 1, 2021, May 12, 20, 26, 2021.
Forage School, March 17, 2021.
Southeast Idaho Pesticide Applicator Training Seminar, Online, March 11, 2021.
Pasture Management Workshops, Online, February 9, 16, 23, 2021.
Southern Idaho Cereal School, Online, February 2-3, 3021
Southeast Idaho Pesticide Applicator Training Seminar, Online, December 2, 2020.
Livestock Day Camp, Grace, Preston and Montpelier, Idaho June 23, 2020.
Forage School, Terreton, Blackfoot, Preston and Soda Springs, Idaho, March 10-11, 2020.
Pasture Management Workshops, Montpelier and Soda Springs, Idaho, January 28 and 30, 2020.
Cereal School, Burley, Pocatello, Idaho Falls, Ashton, and Preston, Idaho, February 4-7, 13, 2020.

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

- Pesticide Applicator Training Seminars, Malad, Preston, Montpelier, Soda Springs, Arco, Hailey, American Falls, and Blackfoot, Idaho, December 4-6, 2019.
- Pasture Management Workshops, Rexburg, Idaho Falls, and Preston, Idaho March 19, 20, and 21, 2019.
- Pesticide Applicator Training Seminars, Malad, Preston, Montpelier, Soda Springs, Arco, Rigby, American Falls, and Blackfoot, Idaho, December 3-6, 2018.

County

- 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, June 21, 2022.
- Forage Field Tours, Aberdeen and Rexburg, Idaho May 19, 20, 2022.
- Caribou County Cereal Field Tour, Soda Springs Idaho, June 22, 2021.
- Caribou County Ag. Appreciation Day, Soda Springs Idaho, June 16, 2021.
- Caribou County Ag. Appreciation Day, Soda Springs Idaho, June 25, 2019.
- Caribou County Cereal Field Tour, Soda Springs Idaho, June 23, 2019.
- Soda Springs Jr. High School Range Field Trip, Soda Springs, Idaho, April 29, 2019.

Miscellaneous Extension Publications:**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, 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

Popular Press:

The News Examiner, Circulation 584 (cont.):
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, Jointed 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
The News Examiner, Circulation 584 (cont.):
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, 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
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War on Weeds, Yellow flag iris, February 4, 2022
War on Weeds, Yellow devil hawkweed, January 28, 2022
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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
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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

Popular Press:

Caribou County Sun, Circulation 2,242 (cont.):
 War on Weeds, Jointed 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

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

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
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 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

Popular Press:

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

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.
 Marshall, J., T. Shelman, L. Jones, **J.L. Hatch**. Caribou county wheat and barley variety trials, 2019-2022.
 Duellman, K., J. Woodhall, **J. Hatch**, E. Wenninger, A. Westra. and A. Jensen, Refining an Idaho aphid monitoring network for managing potato virus Y risk, Grace, Idaho, 2019-2022.
 Sagers, J. K., Findlay, R., Adjesiwor, A, Spackman, J., Hutchinson, P., Wilmore, C., Packham, J., **Hatch, J.L.**, Henderson, B., Evaluation of herbicide damage on teff. Aberdeen and Kimberly, Idaho, 2021.
 Sagers, J., R. Findlay, **J. Hatch**, G. Shewmaker, K. Jensen, J. Hogge, R. Roemer, and J. Burr. Determining quality and performance of cool season pasture grasses at high elevation in eastern Idaho, Tetonia, Idaho, 2019-2020.
 Hatch, J.L., J. Sagers, B. Henderson, and R. Findlay. Effect of nitrogen source and rate on economics of growing irrigated pasture grass, Chesterfield, Idaho, 2019-2020.
 Hatch, J.L., H. Neibling, and B. Henderson. Effect of cover crop termination timing on soil moisture, Soda Springs, Idaho, 2019-2020.

Review Activities:

Home weed control bulletin series: western salsify, Idaho Green Thumb How-to, 2022.
 Potato respiration I: what is it and how to measure it, University of Idaho Extension bulletin, 2022.
 Agronomics of leasing fields for potato production, University of Idaho Extension bulletin, 2022.

Review Activities (cont.):

Expected progeny differences, Pacific Northwest publication, 2022.
 Know your herbicide-resistant weeds, University of Idaho Extension bulletin, 2020.
 Does silicon amendment improve wheat production, University of Idaho Extension bulletin, 2020.
 Monitoring tools for a potato bruise prevention program, University of Idaho Extension bulletin, 2020.
 Core aeration of lawns benefits and procedures, Idaho Green Thumb How-to, 2019.
 Fertility in southern Idaho soils for crop production: Soil Testing Procedures, University of Idaho publication, 2019.

PROFESSIONAL DEVELOPMENT:**Outreach:**

Food Production Systems Meeting, Priority Extension Theme, Online meeting, September 22, 2022.
 Lost Rivers Grazing Academy, Salmon, Idaho, September 13-16, 2022.
 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 meeting, April 13-15, 2021.
 Idaho Range Livestock Symposium, Online training, January 12, 2021.
 Beef Quality Assurance Training, Thatcher, Idaho, January 4, 2021.
 Idaho Agricultural Outlook Seminar, Online meeting, December 15-18, 2020.
 From the Ground Up: Cover Crop Solutions for Western Farmers, Webinar, December 10, 2020.
 University of Idaho Extension Eastern District Fall Professional Development Meetings, Online meeting, Idaho, October 6-7, 2020.
 Idaho Association of County Agricultural Agents Meeting, Shoshone, Idaho, September 23, 2020.
 University of Idaho Extension Eastern District Faculty Meeting, Online meeting, April 29, 2020.
 University of Idaho Extension Annual Conference, Online meeting, April 15-16, 2020.
 University of 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.

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

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.
 University of 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 Inservice, Rupert, Idaho, January 9, 2019.
 Idaho Range Livestock Symposium, Online training, 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 meeting, September 26, 2018.
 Lost Rivers Grazing Academy, Salmon Idaho, September 11-14, 2018.
 Idaho Association County Agricultural Agents East District Coordination Meeting, Online meeting, September 24, 2018.
 New faculty Orientation, Moscow, Idaho, August 13-16, 2018.

Administration/Management:

Leadership Idaho Agriculture, Boise, Idaho, January 24-28, 2022.
 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.
 Effective Meetings Workshop, Pocatello Idaho, November 13, 2018.

University of Idaho Professional Development and Learning Online Courses:

IT Security Awareness Training, October 21, 2022
 Conflicts of Interest or Commitment: Identify and Report, September 28, 2022.
 Learning Confirmation: DEI & Groundswell, September 28, 2022.
 Diversity and Inclusion, October 5, 2021.
 Creating a Respectful Community, October 5, 2021.
 Fire Safety in the Workplace, October 5, 2021.
 Stewardship of Resources, October 5, 2021.
 IT Security Awareness, October 5, 2021.
 County Chair Training, Online training, May 24, 2021.
 The Art of Giving and Receiving Constructive Feedback, Online training, November 18, 2020.
 Creating and Maintaining an Excellent UI Extension Curriculum Vitae, Online training, October 8, 2020.
 Digital Measures Training, Online training, June 19, 2020.
 Maintaining your County Extension Office Civil Rights File Training, Online training, May 28, 2020.
 Using OneDrive, Microsoft Teams, and Other IT Tools, University of Idaho extension professional development training, Online training, May 4, 2020.
 University of Idaho Promotion and Tenure training, Online training, May 1, 2020.
 County Chair Training- County Memorandum of Understanding and Budget Planning Update, Online training, April 28, 2020.
 Best Practices, Tips, and Tricks for Hosting Professional Webinars, Online training, March 17, 2020.
 FastTrack and the Peer-Referee Process, Online training, February 3, 2020.
 Creating a Respectful Community, January 15, 2020.
 Diversity and Inclusion, January 15, 2020.
 Fire Safety in the Workplace, January 15, 2020.
 IT Security Awareness, January 15, 2020.
 Different Generations in the Workplace, Central and Eastern District professional development meetings, Online training, November 4, 2019.

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.