

CURRICULUM VITAE FOR EXTENSION EDUCATOR FACULTY

University of Idaho

NAME: Joseph K Sagers

DATE: October 31, 2021

RANK OR TITLE: Assistant Extension Professor

DEPARTMENT: University of Idaho Extension, Eastern District

OFFICE LOCATION: Jefferson County Extension Office
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DATE OF FIRST EMPLOYMENT AT UI: August 15, 2016

DATE OF TENURE: Untenured

DATE OF PRESENT RANK OR TITLE: August 15, 2016

EDUCATION BEYOND HIGH SCHOOL:

Degrees:

M.S., 2016, Plant Science, Utah State University, Logan, Utah.
B.S., 2014, Plant Science, Utah State University, Logan, Utah.

Certificates and Licenses:

Idaho State Department of Agriculture, Worker Protection Program, No. 00345, 2018-present.
4-H Shooting Sports Instructor, 2017-present.
Idaho State Department of Agriculture, Statewide Consultant and Demonstration and Research,
License number 57346. 2016-present.

EXPERIENCE:

Teaching, Extension and Research Appointments:

Assistant Professor and Extension Educator, University of Idaho Extension, Jefferson and Clark
counties, 2016-present.
Research Assistant, Utah State University, Logan, Utah, 2012-2016.

Academic Administrative Appointments:

County Chair, University of Idaho Extension, Clark County, Dubois, Idaho, 2016-present.

Non-Academic Employment including Armed Forces:

Sales associate, Home Depot, Logan, Utah, February-September 2012.
Foreman, Sagers Land and Livestock, Tooele, Utah, April-August 2011.
Wrangler, Bar T-5 Western Show, Jackson, Wyoming, April-August 2010.
Foreman, Nield Landscaping and Fence, Tooele, Utah, May 2005- October 2007.

TEACHING ACCOMPLISHMENTS:**Areas of Specialization:**

Agronomy
Livestock
4-H Youth Development

Materials Developed:**Video Productions:**

Thomas, J, M. Thornton, and **J. Sagers**. How to reduce bruising. University of Idaho potato bruise management video series. 2021.
 Thomas, J, M. Thornton, and **J. Sagers**, Como reducir caídas y moretones en las papas. University of Idaho potato bruise management video series, 2021.
 Thomas, J., J. Miller, and **J. Sagers**, Calificando las papas y como mejorar la calidad. University of Idaho potato bruise management video series. 2021.
 Thomas, J., J. Miller, and **J. Sagers**, Grading potatoes and how to improve quality. University of Idaho potato bruise management video series. 2021.

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

Sagers, J.K. Evaluation of herbicide damage on teff. IACAA Summer Meeting. June 2, 2022.
 Sagers, J.K. Insect Identification in Alfalfa. 2022 Forage Schools. Mud Lake, Blackfoot, and Preston Idaho. March 2-3, 2022.
 Sagers, J.K. Matching plants to location. Eastern Idaho Pasture School. Montpelier, Idaho Falls, Malad, Idaho. February 16, March 10, March 21, 2022.
 Sagers, J.K. Mixing and measuring properly. East Idaho Pesticide Applicator Training. Online. March 11, 2022.
 Sagers, J.K. Measuring and mixing herbicides properly. Idaho Water Users Association Recertification Workshops. Rupert, Jerome, and Caldwell, Idaho. February 22-24, 2022.
 Sagers, J.K. Como reducir caídas y moretones en las papas (How to reduce bruising demonstration, Spanish), Idaho Potato Conference, Pocatello, Idaho. January 19, 2022.
 Sagers, J.K. Calificando las papas y como mejorar la calidad (grading potatoes and how to improve quality, Spanish), Idaho Potato Conference, Pocatello, Idaho. January 19, 2022.
 Sagers, J.K. Noxious weeds of Idaho. East Idaho Pesticide Applicator Training. Online. December 7, 2021.
 Sagers, J.K. Basics of home-grown plants. Menan Gardening Class. Menan, Idaho. June 4, 2021.
 Sagers, J.K. Soil, Water and Plant Nutrients. Jefferson County Gardening Class. Rigby, Idaho, May 8, 2021.
 Sagers, J.K. Identifying and controlling common weeds in Idaho, Online Pesticide Applicator Training, virtual, March 11, 2021.
 Sagers, J.K. Teff production in Idaho, Agriculture updates for certified crop advisors, virtual, February 26, 2021.
 Sagers, J.K. Como reducir caídas y moretones en las papas (How to reduce bruising demonstration, Spanish), Idaho Potato Conference, virtual, January 19, 2021.
 Sagers, J.K. Calificando las papas y como mejorar la calidad (grading potatoes and how to improve quality, Spanish), Idaho Potato Conference, virtual, January 19, 2021.
 Sagers, J.K. Common weeds in Idaho, Pesticide Applicator Training, virtual, December 2, 2020.
 Sagers, J. K. Teff production in Idaho, Ag Talk Tuesdays, virtual, June 16, 2020.
 Sagers, J.K. Introduction to plant biology and weed ecology, Driggs, Idaho, March 12, 2020.
 Sagers, J.K. Utilizing barn owl boxes to mitigate vole damage, Soda Springs, Idaho, March 11, 2020.
 Preston, Idaho, March 11, 2020.

- Sagers, J.K. Pesticide recertification, Mud Lake, Idaho, January 28, 2020.
- Sagers, J.K. Calibration, Idaho Water Users Association Applicator Recertification, Caldwell, Idaho, February 27, 2020.
Rupert, Idaho, February 26, 2020.
American Falls, Idaho, February 25, 2020.
- Sagers, J.K. Calibración. (calibration, Spanish) Spanish Pesticide Applicators Training, Caldwell February 27, 2020.
Mountain Home, Idaho February 26, 2020.
- Hines, S., J. Packham, C. Willmore, **J. Sagers**, J. Hogge, J. Thomas, M. Ellison, and G. Shewmaker. University of Idaho Extension cover crop research, 6th Annual Soil Health Workshop, Burley, Idaho, February 6, 2020.
- Sagers, J.K. Calibración. (Calibration, Spanish), Idaho Potato Conference, Pocatello, Idaho, January 22, 2020.
- Sagers, J.K. Planting selection, Intensive Grazing and Pasture Rotation workshop, Ashton, Idaho, January 31, 2020.
- Sagers, J.K. Off farm heirs, Farm Succession and Estate Planning, Terreton, Idaho, January 21, 2020.
- Sagers, J.K. Ten rules of transition management, Farm Succession and Estate Planning, Terreton, Idaho, January 21, 2020.
- Sagers, J.K. Calibration, Pesticide Recertification Class,
American Falls, Idaho, December 6, 2019.
Blackfoot, Idaho, December 6, 2019.
Montpelier, Idaho, December 5, 2019.
Soda Springs, Idaho, December 5, 2019.
Malad, Idaho, December 4, 2019.
Preston, Idaho, December 4, 2019.
- Ellison, M.J., S. Hines, C. Willmore, J. Packham, L. Golden, **J. Sagers**, J. Thomas, R. Roemer, and G. Shewmaker. Simulated grazing timing and regrowth of annual cereal forage cover crops, Lemhi Cattlemen's Winter School, Salmon, Idaho, November 20, 2019.
- Hogge, J. and **J. Sagers**. Color code, Farm Succession and Estate Planning, Terreton, Idaho, November 19, 2019.
- Sagers, J.K. Plant biology and nutrient uptake, Idaho Weed Conference Association Fall Weed Workshop, Pocatello Idaho. November 13, 2019.
- Hines, S., C. Willmore, J. Packham, **J. Sagers**, J. Thomas, M. Ellison, and G. Shewmaker. Simulated grazing timing and regrowth of annual cereal forage cover crops, Nancy M. Cummins Research and Extension Center Twilight Tour, Salmon, Idaho, September 5, 2019.
- Hines, S., J. Packham, C. Willmore, **J. Sagers**, J. Hogge, J. Thomas, M. Ellison, and G. Shewmaker. Cover crops projects overview, University of Idaho Extension Ag Talk Tuesday, Rupert, Idaho, August 20, 2019.
- Sagers, J.K. Plant nutrient uptake, Regional Master Gardener Convention, Rexburg, Idaho, June 28, 2019.
- Sagers, J.K. R. Findlay, and J. Hogge. Ongoing thrips research, Idaho Association of County Agricultural Agents meeting, Rexburg, Idaho, June 10-11, 2019.
- Sagers, J.K., G. Shewmaker, and T. Prather. Forage insects and diseases, Plant Science 404/504, Moscow, Idaho, April 21, 2019. [Invited presentation](#).
- Sagers, J.K. Pasture renovation, Pasture Management Workshop,
Preston, Idaho, March 21, 2019.
Idaho Falls, Idaho, March 20, 2019.
Rexburg, Idaho, March 19, 2019.
- Sagers, J.K. Control de ratones del campo y topos (Vole and gopher control, Spanish),
Rigby, Idaho, March 21, 2019.
Rupert, Idaho. March 20, 2019.
Caldwell, Idaho, February 20, 2019.
Mountain Home, Idaho, February 19, 2019.
- Sagers, J.K. Identificación de malezas (Weed identification, Spanish),
Rigby, Idaho, March 21, 2019.

- Rupert, Idaho, March 20, 2019.
Mountain Home, Idaho, February 19, 2019.
Caldwell, Idaho, February 20, 2019.
- Sagers, J.K. and C. Willmore. Timing the harvest for annual cover crops, Preston forage school.
Preston, Idaho, March 14, 2019.
- Sagers, J.K. Weed control in alfalfa, forage school,
Preston, Idaho, March 14, 2019.
Soda Springs, Idaho, March 13, 2019.
Blackfoot, Idaho, March 13, 2019.
Mud Lake, Idaho, March 12, 2019.
- Willmore, C. J., S. Hines, J. Packham, L. Golden, **J. Sagers**, J. Thomas, M. Ellison, and G. Shewmaker. Simulated grazing timing and regrowth of annual cereal forage cover crops, Idaho Hay & Forage Conference, Burley, Idaho, February 21, 2019.
- Sagers, J.K. Identificación de plagas de la papa. (Potato disease identification, Spanish), Idaho Potato Conference, Pocatello, Idaho, January 23, 2019.
- Sagers, J.K. and J. Thomas. Identificación de insectos y malezas, (Insect and weed identification, Spanish), Idaho Potato Conference, Pocatello, Idaho, January 23, 2019.
- Sagers, J.K. and J. Thomas. Insect and weed identification, Idaho Potato Conference, Pocatello, Idaho, January 23, 2019.
- Sagers, J.K. Measuring pesticides accurately, Pesticide Applicator Training,
Arco, Idaho, December 6, 2018.
Rigby, Idaho, December 6, 2018.
Blackfoot, Idaho, December 5, 2018.
American Falls, Idaho, December 5, 2018.
Malad, Idaho, December 4, 2018.
Preston, Idaho, December 4, 2018.
Montpelier, Idaho, December 3, 2018.
- Sagers, J.K. Pesticide hazards and health, Weed Warrior Workshop, Idaho Falls, Idaho, June 11, 2018.
- Sagers, J.K. Pesticides, Weed Warrior Workshop, Idaho Falls, Idaho, June 11, 2018.
- Sagers, J.K. Pesticide laws, rules, and regulations, Weed Warrior Workshop, Idaho Falls, Idaho, June 11, 2018.
- Sagers, J.K. Survey data from the 2018 Idaho Potato Conference Spanish sessions, Idaho Association of County Agricultural Agents summer meeting, Weiser, Idaho, June 7, 2018.
- Sagers, J.K. and G. Shewmaker. Forage pests and diseases, University of Idaho College of Agricultural and Life Sciences, PLCS 404 guest lecturer, March 28, 2018. [Invited Presentation.](#)
- Sagers, J.K. Forage insect pests, Forage School,
Preston, Idaho, March 15, 2018.
Blackfoot, Idaho, March 14, 2018.
Rexburg, Idaho, March 13, 2018.
- Sagers, J.K. Forage diseases, Forage School,
Preston, Idaho, March 15, 2018.
Blackfoot, Idaho, March 14, 2018.
Rexburg, Idaho, March 13, 2018.
- Sagers, J.K. Aplicaciones efectivas de plaguicidas (Effective applications of pesticides, Spanish), Spanish Pesticide Safety Training, Caldwell, Idaho, February 22, 2018.
- Sagers, J.K. Where do I fit in? Farm Succession and Estate Planning, Rigby, Idaho, January 26, 2018.
- Sagers, J.K. Customer service, Farm Management School, Rexburg, Idaho, January 24, 2018.
- Sagers, J.K. Aplicaciones efectivas de plaguicidas (Effective applications of pesticides, Spanish), Idaho Potato Conference, Pocatello, Idaho, January 17, 2018.
- Sagers, J.K. Vision and mission statements and strategic goals, Farm Succession and Estate Planning Workshop, Rexburg, Idaho, November 1, 2017.
- Sagers, J.K. Wading your way through an herbicide label, Weed Warrior Workshop, Idaho Falls, Idaho, June 5 and 11, 2018.

- Sagers, J.K. Pesticide hazards and health, Weed Warrior Workshop, Idaho Falls, Idaho, June 5, 2017.
- Sagers, J.K. Pesticides and the environment, Weed Warrior Workshop, Idaho Falls, Idaho, June 5, 2017.
- Sagers, J.K. Pesticide laws, rules, and regulations, Weed Warrior Workshop, Idaho Falls, Idaho, June 5, 2017.
- Sagers, J.K. Seguridad alimenticia, (Food safety, Spanish) Spanish Pesticide Safety Training, Caldwell, Idaho, February 21, 2017.
- Sagers, J.K. and J. Hogge, Washington State University irrigation scheduler, Jefferson County Farm Bureau Training and Pesticide Recertification, Rigby, Idaho, January 31, 2017.
- Sagers, J.K. Programa de riego de Washington State University. (Washington State University irrigation program, Spanish), University of Idaho Potato Conference, Pocatello, Idaho, January 18, 2017.
- Sagers, J.K. Consideraciones del riego para bajar el costo de operación, (Irrigation considerations for lowering the cost of production. Spanish), University of Idaho Potato Conference, Pocatello, Idaho, January 18, 2017.
- Sagers, J.K. Production records, Farm Management School, Rexburg, Idaho, 2017.

Livestock

- Sagers, J.K. Introduction to power fencing. Lost Rivers Grazing Academy. Salmon, Idaho. September 13, 2022.
- Sagers, J.K. Plant morphology and physiological principles of grazing management. Lost Rivers Grazing Academy. Salmon, Idaho. September 14, 2022.
- Sagers, J.K. Plant morphology hands on lab. Lost Rivers Grazing Academy. Salmon, Idaho. September 14, 2022.
- Sagers, J.K. Identifying grasses, pasture management workshop, virtual, February 23, 2021.
- Sagers, J.K. Teff production in Idaho, Jerome County beef school, Jerome, Idaho, January 23, 2020.
- Sagers, J.K. Hay tarping and minimizing waste, beef school, Malad, Idaho, March 15, 2018, Montpelier, Idaho, March 14, 2018, Rexburg, Idaho March 13, 2018.
- Sagers, J.K. Forage variety trials update, beef school, Malad, Idaho, March 15, 2018, Montpelier, Idaho, March 14, 2018, Rexburg, Idaho, March 13, 2018.
- Sagers, J.K. Clark County and University of Idaho Extension, Clark County Stock Growers' Association Meeting, Dubois, Idaho, February 19, 2018.
- Sagers, J.K. Ideas for increasing production on rangelands, Bonneville County range producer weed expo, Idaho Falls, Idaho, June 14, 2017.
- Sagers, J.K. Seed selection for re-vegetation in irrigated and dryland pastures following herbicide treatments, Rigby, Idaho, April 21, 2017.

4-H Youth Development

- Sagers, J.K. Plant Science After School Program. Roberts, Idaho. May 15, 2022.
- Sagers, J.K. L. Dye, A. Hickman, S. Walker. Midway bug day. April 20, 2022.
- Sagers, J.K. L. Dye, A. Hickman, S. Walker. Ririe bug day. April 22, 2022.
- Sagers, J.K. 4-H rifle shooting and safety, Jefferson County 4-H camp, Alpine, Wyoming, June 27-28, 2022.
- Sagers, J.K. Basics of plant Science and pasture management, Home School Guest lecture. Rigby, Idaho. October 26, 2021.
- Sagers, J.K. 4-H rifle shooting and safety, Jefferson County 4-H camp, Alpine, Wyoming, June 21-23, 2021.
- Sagers, J.K. Optical illusions, Jefferson County 4-H camp, Rigby Idaho, June 22-23, 2020.

- Sagers, J.K. Hay and forage quality, 4-H livestock skill-a-thon practice, Rigby, Idaho, January 16, 2020.
- Sagers, J.K. 4-H rifle shooting and safety, Jefferson County 4-H camp, Alpine, Wyoming, June 24-25, 2019.
- Sagers, J.K. Understanding a forage quality test, 4-H skill-a-thon practice day, Rigby, Idaho. January 3, 2019.
- Sagers, J.K. 4-H rifle shooting and safety, Jefferson County 4-H camp, Alpine, Wyoming, June 25-27, 2018.
- Sagers, J.K. 4-H rocket day camp, Rigby, Idaho, July 26, 2017.
- Sagers, J.K. 4-H rifle shooting and safety, Jefferson County 4-H camp, Alpine, Wyoming, June 26-27, 2017.
- Sagers, J.K. Transplanting seedlings demonstration, Menan, Idaho, May 17, 2017.
- Sagers, J.K. Seed germination demonstration, Menan, Idaho, May 10, 2017.

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:

- Sprinkle, J., J. Sagers, J. Hall, M. Ellison, J. Yelich, J. Brennan, J. Taylor, J. Lamb. Protein Supplementation and grazing behavior for cows on differing late-season rangeland grazing systems. *Animals*. Retrieved from: <https://pubmed.ncbi.nlm.nih.gov/34827951/> (3, 5, 6)
- Sprinkle, J., **J.K. Sagers**, J. Hall, M. Ellison, J. Yelich, J. Bennan, B. Taylor, and J. Lamb. 2020. Predicting cattle grazing behavior on rangeland using accelerometers. *Rangeland Ecology & Management*, retrieved from: <https://www.sciencedirect.com/science/article/abs/pii/S1550742420301202> (3, 5, 6)
- Sagers, J.K., J. Findlay, J. 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 National Association of County Agricultural Agents (NACAA)*, 13(1), Retrieved from: <https://www.nacaa.com/journal/index.php?jid=1097> (* 1, 2, 3, 4, 5, 6)
- Findlay, J.R., J. Hogge, M. Leslie, S. Reitz, **J. Sagers**, and J. Thomas. 2020. Evaluating thrips damage on Idaho alfalfa crops. *Journal of the National Association of County Agricultural Agents (NACAA)*, 13(1), Retrieved from: <https://www.nacaa.com/journal/index.php?jid=1079> (3, 5, 6)
- Waldron, B., **J. Sagers**, M. D. Peele, C.W. Rigby, B. Bugbee, and J.E. Creech. 2019. Salinity reduces the forage quality of forage kochia: a halophytic Chenopodiaceae shrub.

Rangeland Ecology and Management, Retrieved from:

<https://www.sciencedirect.com/science/article/pii/S1550742419301162> (a, 1, 2, 3, 4, 5, 6)

Sagers, J.K., B. Bugbee, J.E. Creech, I. Mott, and B.L. Waldron. 2017. Salinity tolerance of three competing rangeland plant species: studies in hydroponic culture. *Journal of Ecology and Evolution*, Retrieved from: <https://onlinelibrary.wiley.com/doi/full/10.1002/ece3.3607> (* a, 1, 2, 3, 4, 5, 6)

Peer Reviewed/evaluated:

Hatzenbuehler, P., Wardropper, C., Adjesiwor, A., Owusu Ansah, E., Burnham, M., de Haro-Martí, Dentzman, K., Findlay, J. R., Glaze Jr., J. B., Hinds, J., Jansen, V., Karl, J., Lamichhane, R., Lew, R., Olsen, N., Powell, M., Running, K., Sagers, J., Schott, L., Walsh, O., and Wilson, B. (2021). Economic Impacts of Climate Change on Agriculture in Idaho. Idaho Climate-Economy Impacts Assessment. James A. & Louise McClure Center for Public Policy Research, University of Idaho. Boise, ID. (5,6)

Professional Meeting Abstracts and Proceedings:

Sprinkle, J. E., **J. Sagers**, J. Hall., M. Ellison, J. Yelich, J. Brennan, J. Taylor, and J. Lamb. 2019. Grazing behavior and production for cattle on differing late-season rangeland grazing systems with or without protein supplementation. Western Section of American Society of Animal Science, Boise, Idaho. (3, 5, 6)

Willmore, C. J., S. Hines, J. Packham, L. Golden, J. Thomas, **J. Sagers**, M. Ellison, and G. Shewmaker. 2019. Simulated grazing timing and regrowth of annual cereal forage cover crops, Idaho Hay and Forage Growers Conference, Burley, Idaho. (3, 5, 6)

Sagers, J., R. Findlay, G. Shewmaker, R. Roemer, and K. Jensen. 2019. Idaho Grass trials-Tetonia 2018, P. 14-20, Proceedings Idaho Hay and Forage conference, Burly, Idaho. (* 1, 2, 3, 4, 5, 6)

Sagers, J., J. R. Findlay, G.E. Shewmaker, and R. Roemer. 2018. Tetonia grass trials 2017, p, 66-72, proceedings Idaho Hay and Forage conference, Burley, Idaho. (* 1, 2, 3, 4, 5, 6)

Findlay, J.R., G.E. Shewmaker, J. Hogge, **J. Sagers**, and R. Roemer. 2017. Idaho alfalfa variety trials Tetonia 2016, Idaho Hay and Forage conference, Burley, Idaho. (3, 5, 6)

Myers, C.A., G. Shewmaker, J.R. Findlay, R. Romer, **J. Sagers**, J. Hogge, and G.E. Chibisa. 2017. The nutritive value of alfalfa varieties grown at two different elevations in Idaho. Idaho Conference on Undergraduate Research, Boise, Idaho. (* 3, 5, 6)

Findlay, J.R., G.E. Shewmaker, J. Hogge, **J. Sagers**, and R. Roemer. 2017. Idaho alfalfa variety trials Tetonia 2016, Idaho Hay and Forage conference, Burley, Idaho. (* 3. 5. 6.)

Other:

University of Idaho Impact Statements:

Sagers, J.K., J. Thomas, M. Thornton, N Olsen, Spanish online learning format helps Hispanic workers in potato industry. <https://www.uidaho.edu/-/media/UIDaho-Responsive/Files/Extension/admin/Impacts/2022/19-22-jsagers-hispanic-workers.pdf?la=en&hash=306D443CE553074A97024D54D03EB49E4FB4AFF0>

L. Dye, J. Sagers, A. Hickman, H.S. Walker, Shooting sports in Jefferson County continue to grow through grant funding and increased volunteers. <https://www.uidaho.edu/-/media/UIDaho-Responsive/Files/Extension/admin/Impacts/2022/18-22-jsagers-sports-safety.pdf?la=en&hash=8184D19CCCABF6B6413ADE10D9CB432E0505C392>

- Sprinkle, J. J.K. Sagers. 2021. Making dormant season grazing work. <https://www.uidaho.edu/-/media/UIDaho-Responsive/Files/Extension/admin/Impacts/2021/28-21-jsprinkle-grazing-work.pdf?la=en&hash=931F7BFE5584BFD7CB9FC6C6EFA748446F99CF0F>
- Findlay J.R., J.K. Sagers. 2021 Development of an economic threshold for thrips damage on Idaho alfalfa crops. <https://www.uidaho.edu/-/media/UIDaho-Responsive/Files/Extension/admin/Impacts/2021/25-21-jrfindlay-thrips-damage.pdf?la=en&hash=1F4EE4EDCBECACC26B378CDAE82A7408B70AF5DD>
- Hatch, J., B. Henderson, **J. Sagers**, R. Patterson, L. Nunn, and R. Findlay. 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>
- Sagers, J.K., R. Findlay, B. Henderson, J. 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/2020/22-20-bhenderson-pesticide-recertification.pdf?la=en&hash=A8CB847AA315D535E51873C6DF00A753B31E4AA>.
- Stokes, B., **J.K. Sagers**, J. Neufeld, R. Hirnyck, and J. Thomas. 2019. Spanish pesticide safety training program draws new audience to UI Extension. <https://www.uidaho.edu/-/media/UIDaho-Responsive/Files/Extension/admin/Impacts/2019/27-19-bstokes-spanish-pesticide.pdf?la=en&hash=0B8CAF0867DCC000BCEA65242A8A1B54B4491285>.
- Hatch, J., J. Hogge, B. Henderson, **J.K. 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>.
- Rickman, J., L. Nunn, B. Eborn, **J. Sagers**, J. Hogge, M. Small, J.R. Findlay, and B. Glaze. 2018. Beef producer in Eastern Idaho learn new management practices. <https://www.uidaho.edu/-/media/UIDaho-Responsive/Files/Extension/admin/Impacts/2018/19-18-jrickman-beef-producers.pdf?la=en&hash=4608FA890864E46F24A347926CEF310256EB2A2F>.
- Dye, L., and **J. Sagers**. 2018. Interns strengthen county Extension program while gaining valuable skills. <https://www.uidaho.edu/-/media/UIDaho-Responsive/Files/Extension/admin/Impacts/2018/36-18-ldye-extension-intern.pdf?la=en&hash=34A02A4AE3E1C774EBD2DE7E6A209558D159BEA6>.

Thesis and Dissertations:

- Sagers, J.K. B. Bugbee, J.E. Creech, I. Mott, and B.L. Waldron. 2016. Salt tolerance of forage kochia, Gardner's saltbush, and halogeton: studies in hydroponic culture. Utah State University, Logan, Utah, M.S. Thesis, 59 pages, Master of Science thesis.

Scholarly Presentations and Other Creative Activities

Displays and Posters:

- Sagers, J.K., J.R. Findlay, Determining the effects of planting date and cutting height on teff grass in Idaho. Western Alfalfa and Forage Symposium. Reno, Nevada. November 16, 2022.

- Findlay, J.R., J. Sagers, Economic injury level for thrips in alfalfa, Western Alfalfa and Forage Symposium. Reno, Nevada. November 16, 2022.
- Sagers, J. K., R Findlay, G. Shewmaker, and R. Roemer. 2020. Evaluating the effects of planting date and cutting height on teff grass in Idaho. National Association of County Agricultural Agents virtual conference.
- Sagers, J. K., R. Findlay, G. Shewmaker, J. Hogge, R. Roemer, K. Jensen. 2019. Tetonia grass trials. National Association of County Agricultural Agents Western Regional Conference, Great Falls, Montana.
- Sagers, J. K., R. Findlay, G. Shewmaker, J. Hogge, R. Roemer, and K. Jensen. 2019. Tetonia grass trials. University of Idaho Extension Annual Conference, Idaho Falls, Idaho.
- Findlay, J.R., G.E. Shewmaker, J. Hogge, **J. Sagers**, and R. Roemer. 2019. Idaho alfalfa variety trials Tetonia. University of Idaho Extension Annual Conference, Idaho Falls, Idaho.
- Myers, C.A., G. Shewmaker, J.R. Findlay, R. Romer, **J. Sagers**, J. Hogge, and G.E. Chibisa. 2017. The nutritive value of alfalfa varieties grown at two different elevations in Idaho. Idaho Conference on Undergraduate Research, Boise, Idaho.
http://scholarworks.boisestate.edu/icur/2017/Poster_Session/129.

Professional Meeting Papers, Workshops:

- Sagers, J.K. 2019. Impact of rotational grazing and supplementation on cattle growth. Northwest Forage Workers Conference and Western Education Research Activities Committee (WERA 1014), Prosser, Washington.
- Sagers, J.K. and J.R. Findlay. 2021. Teff production in Idaho. Idaho Association of County Agricultural Agents (IACAA) Summer Meeting. Virtual.
- Sagers, J.K. and J.R. Findlay. 2020. Watching the grass grow in Eastern Idaho. National Association of County Agricultural Agents (NACAA) National Conference, virtual.
- Willmore, C.J., S. Hines, J. Packham, L. Golden, **J.K. Sagers**, J. Thomas, M. Ellison, and G. Shewmaker. 2020. Simulated grazing timing and regrowth of annual cereal forage cover crops. Idaho Hay and Forage Conference, Twin Falls, Idaho.
- Willmore, C., M. Ellison, S. Hines, J. Packham, L. Golden, **J. Sagers**, J. Thomas, R. Roemer, and G. Shewmaker. 2019. Simulated grazing timing and regrowth of annual cereal forage cover crops. Western Forage Conference, Reno, Nevada.
- Sagers, J.K. 2019. Forage research in eastern Idaho. Northwest Forage Workers Conference and Western Education Research Activities Committee, Salmon, Idaho.
- Ellison, M.J., S. Hines, C. Willmore, J. Packham, **J. Sagers**, J. Thomas, and G. Shewmaker. 2019. Simulated grazing timing and regrowth of annual cereal forage cover crops. Northwest Forage Worker's Conference, Salmon, Idaho.
- Sagers, J.K. 2017. Characterizing the salt tolerance of forage kochia, Gardner's saltbush and halogeton: studies in hydroponic culture. Western Society of Crop Science, Parma, Idaho.

Grants and Contracts Awarded:

- Maynard, J., et.al. (**J. Sagers** collaborator) USDA Climate Smart Agriculture and Forestry Strategy \$55,000,000. (no spending authority).

- Rickman, J., A. Hulet, and **J. Sagers**. Management tools to reduce downy brome following fire disturbance in Eastern Idaho. David Little Livestock Range Management Endowment Grant, 2019, \$3,675 (no spending authority).
- Fransen, S. et.al. (**J. Sagers** collaborator). The Inland Northwest pasture calendar for the agriculture professional. Western Sustainable Agriculture Research and Education (SARE) grant, 2018, \$74,623 (no spending authority).
- Eborn, B., J. Packham, R. Findlay, S. Harrison, T. Sorensen, L. Nunn, **J. Sagers**, J. Hogge, and B. Gamett. Name of grant. Western Extension Risk Management Education Center for Idaho Grain and Livestock Risk Management Education, 2018 – 2019, \$47,250, (no spending authority).

Internal Funding Awarded:

- Sagers, J., J.A. Spackman, J. Findlay, and J. Hatch. Timing of Forage Cereal Harvest on Yield and Livestock Feed Quality Year 2. University of Idaho Extension Innovative Project Grants. Feb. 2022 – Dec. 2022. \$9,995 (\$5,826 spending authority).
- Spackman, J.A., J. Sagers, J. Findlay, and J. Hatch. Optimizing Nitrogen Fertilizer Rates for Annual Cereal Forage Production. University of Idaho Extension Innovative Project. Feb. 2022 – Dec. 2022. \$10,000. (no spending authority)
- Thomas, J. et. al. (**J. Sagers** collaborator). Monitoring effect of zinc phosphide on vole populations. University of Idaho Innovative Project Award, 2021, \$4,425 (no spending authority).
- Findlay, J.R., J. Thomas, G. Shewmaker, **J. Sagers**, A. Rashad, S. Reitz, and J. Hogge. Evaluation and monitoring of thrips in alfalfa. University of Idaho Innovative Projects Award, 2018, \$5,000 (no spending authority).
- Wilmore, C. S. Hines, J. Packham, L. Golden, **J. Sagers**, J. Thomas, M. Ellison, and G. Shewmaker. Simulated grazing timing and regrowth of annual cereal forage cover crops. University of Idaho Innovative Projects Award, 2018, \$7,500, (no spending authority).
- Sagers, J.K. R. Findlay, X. Liang, G. Shewmaker, and E. Creech. Establishing Teff planting date and cutting height. University of Idaho Innovative Projects Award, 2018, \$5,000 (\$5,000 spending authority).
- Sagers, J.K. J.R. Findlay, and G. Shewmaker. Grass variety trials. University of Idaho Extension Critical Issues Grant, 2017, \$3,700, (\$3,700 spending authority).

In-kind and Industry Support:

- Sprinkle, J. E., **J. Sagers**, J. B. Hall, M. J. Ellison, J. B. Taylor, and J. B. Lamb. Determining optimal efficiency of beef cattle for Idaho rangelands. Industry grant of in-kind donation of protein supplement for research project, Furst-McNess Company, 2016-2017, \$1,800, (no spending authority).

Scholarship Honors and Awards:

- Rigby FFA Honorary FFA Degree
- Sagers, J. K., R Findlay, G. Shewmaker, and R. Roemer. Evaluating the effects of planting date and cutting height on teff grass in Idaho. National Association of County Agricultural Agents virtual conference poster session finalist, 2020.
- Sagers, J.K. National Association of County Agricultural Agents, Achievement Award, 2020.
- Sagers, J.K. Search for Excellence in Crop Production, National Association of County Agricultural Agents, 2020.

SERVICE:

Major Committee Assignments

Regional

Inland Pasture Grazing Calendar Committee, 2018-present

(SERVICE: Major committee Assignments, cont.)**University of Idaho**

University of Idaho Rangeland Center Committee, 2018 - present

Extension

University of Idaho Extension Educator Search Committee, Maddison County, 2022

University of Idaho Potato Conference, Committee chair, 2019-present

University of Idaho Extension Educator Search Committee, Butte County, 2019

District

Eastern District Enhancement Fund Committee, 2019-present

Eastern Idaho State Fair Swine Chair, 2018

Alpine 4-H Camp Board, 2018-present

Eastern Idaho State Fair Junior Livestock Sale Committee, 2017-2018

Eastern District Farm Management Team, 2016-present

Eastern Idaho Forages Planning Team, 2016-present

Eastern Idaho Cereals Planning Team, 2016-present

County

Jefferson County Fair Board Committee, non-voting member, 2017-present

Professional and Scholarly Organizations:

Western Education and Research Activities Committee (WERA 1014) Intensive Management of Irrigated Forages for Sustainable Livestock Production in the Western U.S., 2018-present

Crop Science Society of America (CSSA), 2017-present

Idaho Association of County Agricultural Agents (IACAA), 2016-present

Agronomy Professional Improvement Committee (co-chair), 2017-present

National Association of County Agricultural Agents (NACAA), 2016-present

Outreach Service:**Classes, Workshops, Seminars, Share Fairs and Tours Organized:**

Lost Rivers Grazing Academy, Salmon Idaho, September 13-16, 2022.

Clark County Stock Growers Association Beef School, Dubois Idaho, February 21, 2022.

Pasture School, 3 locations. February-March 2022.

East Idaho Forage School, 3 Locations, March 2-3, 2022.

Idaho Potato Conference, Pocatello, Idaho, January 18-19, 2022.

Pesticide Applicator Training, December 2021, March 2022.

Cereal School, Multiple locations, February 2022.

Pasture management workshop, virtual, February 9, 16, 23, 2021.

Idaho Potato Conference, virtual, January 19-22, 2021.

Pesticide Training, virtual, December 3, 2021.

Idaho Rangeland Center Fall Forum, virtual, October 1-2, 2020.

Forage Schools, 4 locations, March 10-11, 2020.

Cereal Schools, 5 locations, February 2020.

Spanish Pesticide Applicator Training, 2 locations, February 2020.

Idaho Potato Conference, Pocatello, Idaho, January 22-23, 2020.

Clark County Beef School, Dubois, Idaho, January 20, 2020.

Idaho Grain Producers' Association Q&A meeting, Rigby Idaho, January 10, 2020.

Farm Succession and Estate Planning, Terreton, Idaho, November 2019-January 2020.

Grain Marketing Workshop, Rigby, Idaho, July 2, 2019.

Forage School, 4 locations, March 12-14, 2019.

Pasture Management Workshop, 3 locations, March 19-21, 2019.
 Spanish Pesticide Applicator Training, 4 locations, February 19-20, March 20-21, 2019.
 Cereal School, 5 locations, February 4-8, 2019.
 University of Idaho Potato Conference, Pocatello, Idaho, January 23-24, 2019.
 Pesticide Applicator Training, 8 locations, December 3-6, 2018.
 Jefferson County 4-H Camp, Alpine, Wyoming, June 25-27, 2018.
 Weed Warrior Workshop, Idaho Falls, Idaho, June 11-13, 2018.
 Eastern Idaho Forage Schools, 3 locations, March 2018.
 Eastern Idaho Beef Schools, 3 locations, March 2018.
 Farm Management, Rexburg Idaho, January- February 2018.
 Cereal School, 3 locations, February 6-8, 2018.
 Farm Succession and Estate Planning, Rigby, Idaho, January 26, 2018.
 Agricultural Technology Boot Camp, Pocatello, Idaho, January 4-5, 2018.
 Idaho Potato Conference, Pocatello, Idaho, January 17-18, 2018.
 Farm Succession and Estate Planning Workshop, Rexburg, Idaho, November 1, 8, 15, 22, 2017.
 Jefferson County 4-H Camp, Alpine, Wyoming, June 26-28, 2017.
 Weed Warrior Workshop, Idaho Falls, Idaho, June 5-7, 2017.
 Jefferson County Weed Conference and Horticultural Expo, Rigby, Idaho, April 21-22, 2017.
 Forage School, Rexburg, Idaho, March 15, 2017.
 Canyon County Spanish Pesticide Safety Training, Caldwell, Idaho, February 21, 2017.
 Cereal School, Idaho Falls, Idaho, February 9, 2017.
 Farm Succession and Estate Planning Workshop, Idaho Falls, Idaho, January 17-21, 2017.
 Jefferson County Farm Bureau Training & Recertification, Rigby, Idaho, January 31, 2017.
 Beef school, Rexburg, Idaho, November 30, 2016.

Miscellaneous Extension Publications:

Jefferson County Newsletters (Circulation 1,000.)

Sagers, J.K. Cutting it close. October 2022.
 Sagers, J.K. Guide to planting in Jefferson County April 2022.
 Sagers, J.K. Noxious weeds. March 2022
 Sagers, J.K. A gift from Mother Nature. February 2022
 Sagers, J.K. Let it snow. January 2022
 Sagers, J.K. Of Humble Birth. December 2021
 Sagers, J.K. Codling Moths. May 2021.
 Sagers, J.K. Voles. March 2021.
 Sagers, J.K. Annual Weeds in Springtime. February 2021.
 Sagers, J.K. Annual weeds in springtime, January 2021.
 Sagers, J.K. Plant guide to surviving the apocalypse, May 2020.
 Sagers, J.K. Hay there pumpkin, November 2019.
 Sagers, J.K. Rule of hat, October 2019.
 Sagers, J.K. Lesson in normality, July 2019.
 Sagers, J.K. Weed management, March 2019.
 Sagers, J.K. Hay! January 2019.
 Sagers, J.K. Summertime pests, July 2018.
 Sagers, J.K. Spring land management, April 2018.
 Sagers, J.K. What do I plant? March 2018.
 Sagers, J.K. Buddy its warm outside, February 2018.
 Sagers, J.K. Wintertime agricultural thoughts, January 2018.
 Sagers, J.K. Fall into good soil next spring, September 2017.
 Sagers, J.K. The chicken or the egg of grazing, July 2017.
 Sagers, J.K. Getting to the root of the problem, May 2017.
 Sagers, J.K. Hispanic outreach, March 2017.
 Sagers, J.K. Food myths, February 2017.
 Sagers, J.K. Photosynthesis, January 2017.
 Sagers, J.K. Nutrient requirements for winter feeding, December 2016.

Sagers, J.K. Understanding your soil, November 2016.

Sagers, J.K. Welcome our new agricultural extension educator. October 2016.

Post Register Intermountain Farm and Ranch (circulation 35,000 weekly and 90,000 the last Friday of the month)

Sagers, J.K. The Bug Box: western Tent Caterpillar, October 29, 2022.

Sagers, J.K. The Bug Box: Trapdoor spider, October 26, 2022.

Sagers, J.K. The Bug Box: Leafhopper, October 5, 2022.

Sagers, J.K. The Bug Box: Mountain Pine Beetle, September 28, 2022.

Sagers, J.K. The Bug Box: Black Vine Weevil, September 21, 2022.

Sagers, J.K. The Bug Box: Square Headed Wasp, September 14, 2022.

Sagers, J.K. The Bug Box: Hobo spider, August 31, 2022.

Sagers, J.K. The Bug Box: Two spotted spider mite, August 24, 2022.

Sagers, J.K. The Bug Box: Sugar beet wireworm, August 9, 2022.

Sagers, J.K. The Bug Box: Bronze birch borer, July 19, 2022.

Sagers, J.K. The Bug Box: Trapdoor spider, June, 29, 2021

Sagers, J.K. The Bug Box: Earwig, June 20, 2022

Sagers, J.K. The Bug Box: Apple maggot, June 13, 2022.

Sagers, J.K. The Bug Box: Common house fly, June 6 2022.

Sagers, J.K. The Bug Box: Blister beetle, June 1 2022.

Sagers, J.K. The Bug Box: Honeylocust pod gall midge, May 9 2022.

Sagers, J.K. The Bug Box: Wheat stem sawfly, May 2, 2022.

Sagers, J.K. The Bug Box: Carpet beetles, April 26, 2022.

Sagers, J.K. The Bug Box: Spotted cutworm. April 15, 2022.

Sagers, J.K. The Bug Box: Beet armyworm. March 29, 2022.

Sagers, J.K. The Bug Box: Woolly apple aphids. March 29, 2022.

Sagers, J.K. The Bug Box: Squash bug. March 22, 2022.

Sagers, J.K. The Bug Box: Blue alfalfa aphid. March 15, 2022.

Sagers, J.K. The Bug Box: Barley thrips. March 8, 2022.

Sagers, J.K. The Bug Box: Bed bug. March 1, 2022.

Sagers, J.K. The Bug Box: White pine weevil. February 22, 2022.

Sagers, J.K. The Bug Box: Silverfish. February 15, 2022.

Sagers, J.K. The Bug Box: Longhorned beetle. January 21, 2022.

Sagers, J.K. The Bug Box: C. Volxemi. January 21, 2022.

Sagers, J.K. The Bug Box: Springtail. January 11, 2022.

Sagers, J.K. The Bug Box: Maple bladder gall mite. January 4, 2022.

Sagers, J.K. The Bug Box: Tomato hornworm. December 28, 2021

Sagers, J.K. The Bug Box: Black grass bug. December 21, 2021.

Sagers, J.K. The Bug Box: Barley thrips. December 7, 2021.

Sagers, J.K. The Bug Box: Pine needle scale. November 30, 2021.

Sagers, J.K. The Bug Box: Borwn wheat mite. November 19, 2021.

Sagers, J.K. The Bug Box: Raspberry beetle. November 12, 2021.

Sagers, J.K. The Bug Box: Longhorned Beetle. November 5, 2021.

Sagers, J.K. The Bug Box: Trapdoor spider, October 29, 2021.

Sagers, J.K. The Bug Box: Stink bug, October 19, 2021.

Sagers, J.K. The Bug Box: Bird cherry oat aphid, October 12, 2021.

Sagers, J.K. The Bug Box: Johnson's jumping spider, October 5, 2021.

Sagers, J.K. The Bug Box: Ips beetle, September 24, 2021.

Sagers, J.K. The Bug Box: Brown wheat mite, September 17, 2021.

Sagers, J.K. The Bug Box: Beet armyworm, September 10, 2021.

Sagers, J.K. The Bug Box: Face fly, September 3, 2021.

Sagers, J.K. The Bug Box: Paper wasps, August 24, 2021.

Sagers, J.K. The Bug Box: Brown wheat mite, August 17, 2021.

Sagers, J.K. The Bug Box: Paper wasps, August 10, 2021.

Sagers, J.K. The Bug Box: Clover root curculio, August 3, 2021.

Sagers, J.K. The Bug Box: Pine needle scale, July 27, 2021.

Sagers, J.K. The Bug Box: Raspberry beetle, July 13, 2021.
Sagers, J.K. The Bug Box: Leafhopper, July 9, 2021.
Sagers, J.K. The Bug Box: Blue alfalfa aphid, June 4, 2021.
Sagers, J.K. The Bug Box: Cereal leaf beetle, May 28, 2021.
Sagers, J.K. The Bug Box: California root borer, May 11, 2021.
Sagers, J.K. The Bug Box: White grub, May 11, 2021.
Sagers, J.K. The Bug Box: Tomato hornworm, April 23, 2021.
Sagers, J.K. The Bug Box: Pear leaf blister mite, April 23, 2021.
Sagers, J.K. The Bug Box: Western tent caterpillar, April 16, 2021.
Sagers, J.K. The Bug Box: Haanchen barley mealybug, April 9, 2021.
Sagers, J.K. The Bug Box: Larder beetle, April 9, 2021.
Sagers, J.K. The Bug Box: Mountain pine beetle, April 2, 2021.
Sagers, J.K. The Bug Box: Alfalfa looper, March 26, 2021.
Sagers, J.K. The Bug Box: Pale cyst nematode, March 19, 2021.
Sagers, J.K. The Bug Box: Pine needle scale, March 5, 2021.
Sagers, J.K. The Bug Box: Elm seed bugs, March 5, 2021.
Sagers, J.K. The Bug Box: Cereal grass aphid, February 23, 2021.
Sagers, J.K. The Bug Box: Paper wasp, February 16, 2021.
Sagers, J.K. The Bug Box: Horn fly, February 12, 2021.
Sagers, J.K. The Bug Box: Cottony maple scale, February 5, 2021.
Sagers, J.K. The Bug Box: Beet armyworm, January 26, 2021.
Sagers, J.K. The Bug Box: Stink bug, January 12, 2021.
Sagers, J.K. The Bug Box: Mountain pine beetle, December 18, 2020.
Sagers, J.K. The Bug Box: Long horned beetle, December 18, 2020.
Sagers, J.K. The Bug Box: Springtrail, December 4, 2020.
Sagers, J.K. The Bug Box: Pine shoot beetle, November 27, 2020.
Sagers, J.K. The Bug Box: Pine needle scale, November 20, 2020.
Sagers, J.K. The Bug Box: Pale cyst nematode, November 13, 2020.
Sagers, J.K. The Bug Box: Russian wheat aphid, November 6, 2020.
Sagers, J.K. The Bug Box: Asian giant hornet, October 30, 2020.
Sagers, J.K. The Bug Box: Black widow, October 23, 2020.
Sagers, J.K. The Bug Box: Apple leaf blister mite, October 16, 2020.
Sagers, J.K. The Bug Box: Barley thrips, October 9, 2020.
Sagers, J.K. The Bug Box: Maple bladder gall mite, October 2, 2020.
Sagers, J.K. The Bug Box: Raspberry beetle, September 25, 2020.
Sagers, J.K. The Bug Box: Paper wasp, September 18, 2020.
Sagers, J.K. The Bug Box: Honey locust pod gall midge, September 11, 2020.
Sagers, J.K. The Bug Box: Pear psylla, September 4, 2020.
Sagers, J.K. The Bug Box: Rose gall wasp, August 28, 2020.
Sagers, J.K. The Bug Box: Square headed wasp, August 21, 2020.
Sagers, J.K. The Bug Box: Harvester Ant, August 14, 2020.
Sagers, J.K. The Bug Box: Black vine weevil, August 7, 2020.
Sagers, J.K. The Bug Box: Bronze birch borer, July 31, 2020.
Sagers, J.K. The Bug Box: Pear sawfly, July 24, 2020.
Sagers, J.K. The Bug Box: Squash bug, July 17, 2020.
Sagers, J.K. The Bug Box: Earwig, July 10, 2020.
Sagers, J.K. The Bug Box: Slug, June 26, 2020.
Sagers, J.K. The Bug Box: Lilac root weevil, June 19, 2020.
Sagers, J.K. The Bug Box: Box elder bug, June 5, 2020.
Sagers, J.K. The Bug Box: White grub, May 29, 2020.
Sagers, J.K. The Bug Box: Apple and thorn skeletonizer, May 22, 2020.
Sagers, J.K. The Bug Box: Crane fly, May 15, 2020.
Sagers, J.K. The Bug Box: Root weevil, May 8, 2020.
Sagers, J.K. The Bug Box: Western cherry fruit fly, May 1, 2020.
Sagers, J.K. The Bug Box: Asian giant hornet, April 24, 2020.
Sagers, J.K. The Bug Box: Yellow striped armyworm, April 17, 2020.
Sagers, J.K. The Bug Box: English grain aphid, April 10, 2020.

Sagers, J.K. The Bug Box: Stink beetle, April 3, 2020.
Sagers, J.K. The Bug Box: Western spotted cucumber beetle, March 27, 2020.
Sagers, J.K. The Bug Box: Greenbug, March 20, 2020.
Sagers, J.K. The Bug Box: Elm seed bug, March 13, 2020.
Sagers, J.K. The Bug Box: Clover root curculio, March 6, 2020.
Sagers, J.K. The Bug Box: California root borer, February 28, 2020.
Sagers, J.K. The Bug Box: Cereal grass aphid, February 21, 2020.
Sagers, J.K. The Bug Box: Horn fly, February 14, 2020.
Sagers, J.K. The Bug Box: Peach tree borer, February 7, 2020.
Sagers, J.K. The Bug Box: Hessian fly, January 31, 2020.
Sagers, J.K. The Bug Box: Hobo spider, January 24, 2020.
Sagers, J.K. The Bug Box: Deer fly, January 17, 2020.
Sagers, J.K. The Bug Box: Hedgehog grain aphid, January 10, 2020,
Sagers, J.K. The Bug Box: Long horned beetle, January 3, 2020.
Sagers, J.K. The Bug Box: Mountain pine beetle, December 27, 2019.
Sagers, J.K. The Bug Box: Pine shoot beetle, December 20, 2019.
Sagers, J.K. The Bug Box: White pine weevil, December 13, 2019.
Sagers, J.K. The Bug Box: Pine needle scale, December 6, 2019.
Sagers, J.K. The Bug Box: Sugar beet wireworm, November 29, 2019.
Sagers, J.K. The Bug Box: Carpet beetle, November 22, 2019.
Sagers, J.K. The Bug Box: Horse fly, November 15, 2019.
Sagers, J.K. The Bug Box: Face fly, November 8, 2019.
Sagers, J.K. The Bug Box: Black widow, November 1, 2019.
Sagers, J.K. The Bug Box: Trapdoor spider, October 25, 2019.
Sagers, J.K. The Bug Box: Tick, October 18, 2019.
Sagers, J.K. The Bug Box: Horse fly, October 11, 2019.
Sagers, J.K. The Bug Box: Bed bug, October 4, 2019.
Sagers, J.K. The Bug Box: Armyworm, September 27, 2019.
Sagers, J.K. The Bug Box: Armyworm, September 20, 2019.
Sagers, J.K. The Bug Box: Barley thrips, September 13, 2019.
Sagers, J.K. The Bug Box: Common house fly, September 6, 2019.
Sagers, J.K. The Bug Box: Haanichen mealybug, August 30, 2019.
Sagers, J.K. The Bug Box: Brown wheat mite, August 23, 2019.
Sagers, J.K. The Bug Box: Leafhopper, August 16, 2019.
Sagers, J.K. The Bug Box: Square-headed wasp, August 9, 2019.
Sagers, J.K. The Bug Box: Lilac borer, August 2, 2019.
Sagers, J.K. The Bug Box: Redback cutworm, July 26, 2019.
Sagers, J.K. The Bug Box: Pale cyst nematode, July 19, 2019.
Sagers, J.K. The Bug Box: Tomato hornworm, July 12, 2019.
Sagers, J.K. The Bug Box: Lecanium scale, June 28, 2019.
Sagers, J.K. The Bug Box: Raspberry beetle, June 21, 2019.
Sagers, J.K. The Bug Box: Mealybug, June 14, 2019.
Sagers, J.K. The Bug Box: San Jose scale, June 7, 2019.
Sagers, J.K. The Bug Box: Springtail, May 31, 2019.
Sagers, J.K. The Bug Box: June beetle, May 17, 2019.
Sagers, J.K. The Bug Box: Western cherry fruit fly, May 10, 2019.
Sagers, J.K. The Bug Box: Chinch bug, May 3, 2019.
Sagers, J.K. The Bug Box: Whitefly, April 26, 2019.
Sagers, J.K. The Bug Box: Crane fly, April 12, 2019.
Sagers, J.K. The Bug Box: Blister beetle, April 5, 2019.
Sagers, J.K. The Bug Box: Armyworm, March 29, 2019.
Sagers, J.K. The Bug Box: Spittlebug, March 22, 2019.
Sagers, J.K. The Bug Box: Bronze birch borer, March 15, 2019.
Sagers, J.K. The Bug Box: Masked hunter, March 8, 2019.
Sagers, J.K. The Bug Box: Alfalfa looper, March 1, 2019.
Sagers, J.K. The Bug Box: Western conifer seed bug, February 22, 2019.
Sagers, J.K. The Bug Box: Wheat stem saw fly, February 15, 2019.

Sagers, J.K. The Bug Box: Grasshopper, February 8, 2019.
 Sagers, J.K. The Bug Box: Apple maggot, February 1, 2019.
 Sagers, J.K. The Bug Box: Potato tuber worm, January 25, 2019.
 Sagers, J.K. The Bug Box: Two spotted spider mite, January 18, 2019.
 Sagers, J.K. The Bug Box: Silverfish, January 11, 2019.
 Sagers, J.K. The Bug Box: Asian long horned beetle, January 4, 2019.
 Sagers, J.K. The Bug Box: Long horned beetle, December 28, 2018.
 Sagers, J.K. The Bug Box: Mountain pine beetle, December 21, 2018.
 Sagers, J.K. The Bug Box: Pine needle scale, December 14, 2018.
 Sagers, J.K. The Bug Box: White pine weevil, December 7, 2018.
 Sagers, J.K. The Bug Box: Spruce gall adelgid, November 30, 2018.
 Sagers, J.K. The Bug Box: Stink bug, November 23, 2018.
 Sagers, J.K. The Bug Box: Brown wheat mite, November 16, 2018.
 Sagers, J.K. The Bug Box: Black grass bug, November 9, 2018.
 Sagers, J.K. The Bug Box: Blue alfalfa aphid, November 2, 2018.
 Sagers, J.K. The Bug Box: Mormon cricket, October 26, 2018.
 Sagers, J.K. The Bug Box: Alfalfa leafcutter bee, October 19, 2018.
 Sagers, J.K. The Bug Box: Hobo spider, October 12, 2018.
 Sagers, J.K. The Bug Box: Elm seed bug, October 5, 2018.
 Sagers, J.K. The Bug Box: Lygus bug, September 21, 2018.
 Sagers, J.K. The Bug Box: Onion thrips, September 14, 2018.
 Sagers, J.K. The Bug Box: Army cutworm, September 7, 2018.
 Sagers, J.K. The Bug Box: Pear sawfly or pear slug, August 31, 2018.
 Sagers, J.K. The Bug Box: Earwig, August 24, 2018.
 Sagers, J.K. The Bug Box: Clover root curculio, August 17, 2018.
 Sagers, J.K. The Bug Box: White pine weevil, August 10, 2018.
 Sagers, J.K. The Bug Box: Cottony maple scale, August 3, 2018.
 Sagers, J.K. The Bug Box: Wasps, July 27, 2018.
 Sagers, J.K. The Bug Box: Codling moth, July 20, 2018.
 Sagers, J.K. The Bug Box: Sugar beet wireworm, July 13, 2018.
 Sagers, J.K. The Bug Box: Cereal leaf beetle, July 6, 2018.
 Sagers, J.K. The Bug Box: Western flower thrips, June 29, 2018.
 Sagers, J.K. The Bug Box: Alfalfa weevil, June 22, 2018.
 Sagers, J.K. The Bug Box: Pea aphid, June 15, 2018.

Preston Citizen (Circulation 1,253)

Sagers, J.K. Produce better feed for better cattle, July 11, 2018.

Jefferson Star (Circulation 2,000)

Sagers, J.K. Jefferson County ag, update, January 2020.

Sagers, J.K. Avoid catching your haystack on fire, October 16, 2019.

AgProud Idaho (Circulation 11,200)

Sagers, J. K. Growing teff in Idaho, February 2021.

Sprinkle, J. (et. al. **J.K. Sagers**, contributor) Grazing and protein supplementation in late season rangeland, September 2020.

Applied Research/Demonstration Trials:

Sagers, J. (PI), J.A. Spackman (CoPI), J. Findlay (CoPI), and J. Hatch (CoPI). Timing of Forage Cereal Harvest on Yield and Livestock Feed Quality. 2022.

Spackman, J.A. (CoPI), J. Sagers, (PI), J. Findlay (CoPI), and J. Hatch (CoPI). Optimizing Nitrogen Fertilizer Rates for Annual Cereal Forage Production. 2022.

Spackman, J., J. Sagers. Effects of liming on acidic soils in Eastern Idaho. Jefferson, Bonneville and Fremont Counties, Idaho. 2021-2022.

- Spackman, J., **J. Sagers**, and J.R. Findlay. Evaluation of yield and quality of annual grass forages. Kimberly and Aberdeen, Idaho. 2021.
- Thomas, J., S. Hines, J. Packam, G. Loomis, A. Westerhold, and **J. Sagers**. Evaluation of vole populations with No-tox bait blocks. Kimberly, Jerome, Haley, and Terretton, Idaho. 2021.
- Sagers, J. K., Findlay, R., Adjesiwor, A., Spackman, J., Hutchinson, P., Evaluation of herbicide damage on teff. Aberdeen and Kimberly, Idaho, 2021-2022.
- Hatch, J.L., **J.K. Sagers**, and B. Henderson. Effect of nitrogen source and rate on economics of growing irrigated pasture grass, Chesterfield, Idaho, 2019.
- Findlay, R., J. Thomas, G. Shewmaker, **J.K. Sagers**, A. Rashad, S. Reitz, and J. Hogge. Evaluation and monitoring of thrips in alfalfa, Bingham and Jefferson counties, Idaho, 2019.
- Sagers, J.K., R. Findlay, G. Shewmaker, and R. Rohmer. Establishing teff planting date and cutting height, Kimberly, Idaho, 2019-2020.
- Willmore, C, S. Hines, J. Packham, L. Golden, **J. Sagers**, J. Thomas, M. Ellison, and G. Shewmaker. Simulated grazing timing and regrowth of annual cereal forage cover crops, Kimberly, Idaho and Salmon, Idaho, 2018-2019.
- Sagers, J.K., R. Findlay, G.E. Shewmaker, R. Roemer, and K. Jensen. Idaho forage grass trials, Teton, Idaho, 2017-2019.
- Sprinkle, J., **J. Sagers**, J. Hall, and B. Taylor. Effect of protein supplementation and grazing system upon cattle production and grazing behavior. USDA ARS Sheep Experiment Station, Dubois, Idaho, 2016-2017.
- Findlay, J.R., G.E. Shewmaker, J. Hogge, **J. Sagers**, and R. Roemer. Idaho alfalfa variety trials, Teton, Idaho, 2016-2017.

Review Activities:

- Fast Track Review: Idaho's Noxious Weeds 10th edition, (2022-0744)
Pacific Northwest publication review, University of Idaho, 2021.
University of Idaho manuscript review, 2020.
Pacific Northwest publication review, Oregon State University, 2020.
Utah State University manuscript review, 2017.
Proceeding proposals review, Idaho Hay Association, 2017.

PROFESSIONAL DEVELOPMENT:

Teaching:

- Shooting sports instructor training, Rigby, Idaho. April 28- 29, 2017.

Outreach:

- Idaho Association of County Agricultural Agents summer meeting, Mountain Home, Idaho, June 2-3, 2022.
- University of Idaho Extension Eastern District Spring Faculty meeting, Blackfoot, Idaho, April 27, 2022.
- University of Idaho Annual Conference. Moscow, Idaho, April 11-15, 2022.
- Idaho Hay and Forage Conference. Twin Falls, Idaho. February 17, 2022.
- Western Alfalfa and Forage Conference, Reno Nevada, November 16-19, 2021.
- University of Idaho Extension Eastern District Fall Faculty Meeting, Challis, Idaho, September 28-29, 2021.
- Pacific Northwest Forage Worker conference and WERA 1014 annual meeting, Prosser, Washington, July 27-28, 2021.
- Idaho Association of County Agricultural Agents summer meeting, Virtual, June 16-17th, 2021.
- University of Idaho Extension Eastern District Spring Faculty Meeting, Idaho Falls, Idaho, April 27, 2021.
- University of Idaho Extension Annual Conference, virtual, April 13-15, 2021.

National Association of County Agricultural Agents (NACAA) National conference, virtual, September 28 – October 1, 2020.

University of Idaho Extension Annual Conference, virtual, April 14-17, 2020.

Pacific Northwest Forage Worker's conference and western educational and research activities (WERA 1014) annual meeting, Salmon, Idaho October 15-16, 2019.

National Association of County Agricultural Agents Western Regional meeting, Great Falls, Montana, October 1-2, 2019.

University of Idaho Extension Eastern District fall faculty professional development meeting, Pocatello Idaho, September 23-24, 2019.

University of Idaho Extension Horticulture in-service, Aberdeen, Idaho, July 17-18, 2019.

University of Idaho Extension Annual Conference, Idaho Falls, Idaho, March 25-28, 2019.

Idaho Hay and Forage conference, February 21-22, 2019.

Idaho Noxious Weed conference, Boise, Idaho, January 16-17, 2019.

University of Idaho Extension Thrips in-service, Rupert, Idaho, January 9, 2019.

University of Idaho Extension range and livestock symposium, Rexburg, Idaho, January 10, 2019.

University of Idaho Extension Priority Extension themes planning meeting, Boise Idaho, November 27-29, 2018.

Pacific Northwest Forage Worker conference and WERA 1014 annual meeting, Bozeman, Montana, October 18-19, 2018.

University of Idaho Extension Eastern District fall professional development meeting, Island Park, Idaho, September 20-21, 2018.

Idaho Association of County Agricultural Agents summer meeting, Weiser, Idaho, June 5-7, 2018.

University of Idaho Extension Annual Conference, Moscow, Idaho, April 3-6, 2018.

University of Idaho Extension Beef in-service, Moscow, Idaho, April 5, 2018.

University of Idaho Extension Range and livestock symposium, Rexburg, Idaho, January 12, 2018.

Idaho Barley Commission Grain Marketing workshop, Hailey, Idaho, February 13, 2018.

Direct seed workshop, Idaho Falls, Idaho, March 7, 2018.

Pesticide recertification, St. Anthony, Idaho, December 8, 2017.

Agricultural economics in-service, Hailey, Idaho, September 25-26, 2017.

University of Idaho Extension Eastern District fall faculty retreat, Montpelier, Idaho, September 21-22, 2017.

Lost River Grazing Academy, Salmon, Idaho, September 12-15, 2017.

University of Idaho Extension Horticulture in-service, Salmon, Idaho, July 18-19, 2017.

National Association of County Agricultural Agents annual conference, Salt Lake City, Utah, July 10-13, 2017.

Western Society of Crop Science, Parma, Idaho, June 6-7, 2017.

Jefferson County Weed Expo, Rigby, Idaho, April 21-22, 2017.

University of Idaho Extension Annual Conference, Burley, Idaho, April 3-6, 2017.

Western beef resource committee, Reno, Nevada, March 6-7, 2017.

Idaho Hay and Forage conference, Burley, Idaho, March 2-3, 2017.

Pale Cyst Nematode conference, Idaho Falls, Idaho, January 20, 2017.

Idaho Potato conference, Pocatello, Idaho, January 18-19, 2017.

Clark County Stock Growers board of directors meeting, Dubois, Idaho, January 12, 2017.

Agricultural outlook meeting, Idaho Falls, Idaho, December 7, 2016.

Alfalfa Intensive Training seminar, Boise, Idaho, November 15-17, 2016.

University of Idaho Extension Beef Program of Distinction meeting, Twin Falls, Idaho, November 9, 2016.

University of Idaho Extension Horticulture in-service, Twin Falls, Idaho, July 11-13, 2016.

Administration/Management:

County chair training, Caldwell, Idaho, May 14-15, 2018.

Promotion and tenure zoom meeting, Moscow, Idaho, February 28, 2018.

University of Idaho, College of Agricultural and Life Sciences, and Extension new employee training, Moscow, Idaho, August 15-18, 2016.