

CURRICULUM VITAE FOR EXTENSION EDUCATOR FACULTY

University of Idaho

NAME: Thomas A. Jacobsen

DATE: October 22, 2024

RANK OR TITLE: Assistant Professor/Extension Educator

DEPARTMENT: University of Idaho Extension, Eastern District

OFFICE LOCATION: University of Idaho Extension, Fremont County
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DATE OF FIRST EMPLOYMENT AT UI: July 11, 2022

DATE OF TENURE: Untenured

DATE OF PRESENT RANK OR TITLE: July 11, 2022

EDUCATION BEYOND HIGH SCHOOL:

Degrees:

M.S., 2020, Agriculture Education, University of Idaho, Moscow, Idaho.

B.S., 2002, Agriculture Education, Utah State University, Logan, Utah.

A.S., 1999, Animal Science, Ricks College, Rexburg, Idaho.

Certificates and Licenses:

Idaho State Department of Agriculture, Professional Pesticide Statewide Consultant, 2022-present.

Idaho State Department of Agriculture, Professional Pesticide Agriculture Herbicide, 2022-present.

Idaho State Department of Agriculture, Professional Pesticide Ornamental Herbicide, 2022-present.

Idaho State Department of Agriculture, Professional Pesticide Core Competency, 2022-present.

Idaho State Department of Education, Secondary Teaching Certificate, 2006-present.

EXPERIENCE:

Teaching, Extension and Research Appointments:

Assistant Extension Professor and County Extension Educator, University of Idaho Extension,
Fremont County, St. Anthony, Idaho, 2022-present.

Academic Administrative Appointments:

County Chair, University of Idaho Extension, Fremont County, St. Anthony, Idaho, 2022-present.

Non-Academic Employment including Armed Forces:

Agricultural Science and Technology Teacher, North Fremont High School, Ashton, Idaho, 2006-2022.

Agricultural Science and Technology Teacher, Worland High School, Worland, Wyoming, 2004-2006.

Agricultural Science and Technology Teacher, Valley Union High School, Elfrida, Arizona, 2002-2004.

TEACHING ACCOMPLISHMENTS:**Areas of Specialization:**

Food Production Systems
 Horticulture and Small Farms
 4-H Youth Development
 Integrated Pest Management

Interns/Students Advised:

Rankin, Macy, Utah State University, Agriculture Education, 2024

Materials Developed:**Video Productions:**

- Jacobsen, T. and R. Patterson. 2023 Beginning master gardener plant anatomy. University of Idaho College of Agriculture and Life Sciences YouTube channel.
https://www.youtube.com/watch?v=nRN4BA8NGWQ&list=PL6g6ZyCm47s8EcTP_3ZHEC6J5WaWR90z-&index=62. 2023.
- Jacobsen, T. and J. Thomas. Managing weeds in cereal grains. University of Idaho College of Agriculture and Life Sciences YouTube channel.
<https://www.youtube.com/watch?v=UDTX6BsPmy4&t=3s>. 2023.

Non-Credit Classes, Presentations, Workshops, Seminars, Invited Lectures, etc.:**Food Production Systems**

- Jacobsen, T., J. Spackman, J. Sagers, J. Gibbons, A. Adjesiwor. Precipitated calcium carbonate as a lime amendment, Ashton, Idaho, July 15, 2024.
- Jacobsen, T., J. Spackman, P. Hutchison, and M. Rankin. Wheat and wild oat response to palisades x axial applications, Ashton, Idaho, July 15, 2024.
- Jacobsen, T. AgXRP Curriculum, Albion, Idaho, June 5, 2024.
- Jacobsen, T. Experiential robotics program for agriculture technology, Idaho Falls, Idaho, May 20, 2024.
- Jacobsen, T. Experiential robotics program for agriculture technology, Idaho Falls, Idaho, April 19, 2024.
- Jacobsen, T. and T. Potter. Fremont County small grain final plant dates, St. Anthony, Idaho, February 8, 2024.
- Jacobsen, T. Plant science seminar, Experiential robotics program for agriculture technology, Zoom Presentation, January 26, 2024.
- Jacobsen, T. and R. Hillman. Soils and land evaluation, Sugar City, Idaho, September 18, 2023.
- Jacobsen, T., J. Spackman, and J. Gibbons. Lime study seed potato harvest and grading, Ashton, Idaho, September 13, 2023.
- Jacobsen, T. and R. Hillman. Soils and land evaluation, Sugar City, Idaho, September 7, 2023.
- Jacobsen, T. and R. Hillman. Soils and land evaluation, Sugar City, Idaho, August 24, 2023.
- Jacobsen, T. Managing weeds in new alfalfa, Preston, Idaho, March 2, 2023.
- Jacobsen, T. Managing weeds in new alfalfa, St. Anthony, Idaho, March 1, 2023.
- Jacobsen, T. Managing weeds in new alfalfa, Idaho Falls, Idaho, March 1, 2023.
- Jacobsen, T. Managing weeds in new alfalfa, Mud Lake, Idaho, March 1, 2023.
- Jacobsen, T. Weed management in cereal grains, Burley, Idaho, February 7, 2023.
- Jacobsen, T. Weed management in cereal grains, Pocatello, Idaho, February 8, 2023.
- Jacobsen, T. Weed management in cereal grains, Idaho Falls, Idaho, February 9, 2023.
- Jacobsen, T. Weed management in cereal grains, St. Anthony, Idaho, February 9, 2023.
- Jacobsen, T. Raising backyard chickens, Ashton, Idaho, February 9, 2023.
- Jacobsen, T. Weed management in cereal grains, Preston, Idaho, February 10, 2023.
- Jacobsen, T. Weed management in cereal grains, Grace, Idaho, February 10, 2023.

Horticulture and Small Farms

- Jacobsen, T. Caring for house plants, Ashton, Idaho, October 16, 2024.
- Jacobsen, T. Caring for house plants, Island Park, Idaho, October 10, 2024.
- Jacobsen, T. and J. Gibbons. Pruning, Ashton, Idaho, September 19, 2024.
- Jacobsen, T. and J. Gibbons. Winterizing your lawn and garden, Island Park, Idaho, September 12, 2024.
- Jacobsen, T. and J. Gibbons. Winterizing your lawn and garden, Ashton, Idaho, September 11, 2024.
- Brooks, R and **T. Jacobsen**. Firewise landscaping, Driggs, Idaho, August 1, 2024.
- Brooks, R and **T. Jacobsen**. Firewise landscaping, Island Park, Idaho, July 31, 2024.
- Jacobsen, T. Robotic gardens, Rexburg, Idaho, 2 sessions, July 19, 2024.
- Rankin, M. and **T. Jacobsen**, Water movement in the soil, Rexburg, Idaho, 2 sessions, July 19, 2024.
- Patterson, R. and **T. Jacobsen**. Plant talk, Zoom Presentation, June 25, 2024.
- Jacobsen, T. Greenhouses, Zoom Presentation, June 25, 2024.
- Jacobsen, T. Raised bed gardens and drip irrigation, Island Park, Idaho, June 13, 2024.
- Jacobsen, T. Raised bed gardens, Ashton, Idaho, May 9, 2024.
- Jacobsen, T. Soils, testing, and fertilizer, Island Park, Idaho, May 8, 2024.
- Jacobsen, T. AgXRP Curriculum, Idaho Falls, Idaho, April 30, 2024.
- Jacobsen, T. Gardening and tree tips and tricks, Fort Hall, Idaho, April 22, 2024.
- Jacobsen, T. Pruning fruit trees, Ashton, Idaho, April 20, 2024.
- Jacobsen, T. Drip irrigation, Ashton, Idaho, April 18, 2024.
- Jacobsen, T. High altitude gardening, Island Park, Idaho, April 18, 2024.
- Jacobsen, T. Noxious weeds, Zoom Presentation, April 17, 2024.
- Jacobsen, T. Greenhouses, Zoom Presentation, March 13, 2024.
- Jacobsen, T. Seed selection, Ashton, Idaho, January 18, 2024.
- Jacobsen, T. Turf weed management, Boise, Idaho, January 17, 2024.
- Jacobsen, T. Land SMART, St. Anthony, Idaho, November 2, 2023.
- Jacobsen, T. Pruning, Ashton, Idaho, October 18, 2023.
- Jacobsen, T. Soils, fertilizers, and amendments, St. Anthony, Idaho, October 12, 2023.
- Patterson, R. and **T. Jacobsen**. Plant talk, Zoom Presentation, August 22, 2023.
- Jacobsen, T. Storing fresh vegetables, Zoom Presentation, August 22, 2023.
- Jacobsen, T. Rotary park, St. Anthony, Idaho, August 22, 2023.
- Patterson, R. and **T. Jacobsen**. Plant talk, Zoom Presentation, June 27, 2023.
- Jacobsen, T. Summer weed control, Zoom Presentation, June 27, 2023.
- Jacobsen, T. Water conservation, Rexburg, Idaho, 2 sessions, June 23, 2023.
- Jacobsen, T. Drip irrigation, Ashton, Idaho, June 22, 2023.
- Jacobsen, T. Gardening, Ashton, Idaho, May 27, 2023.
- Jacobsen, T. Soils, fertilizers, and amendments, Ashton, Idaho, May 11, 2023.
- Jacobsen, T. Xeriscape and firewise landscaping, Ashton, Idaho, April 6, 2023.
- Jacobsen, T. High-Altitude Victory Gardens fruits and berries, Zoom Presentation, April 5, 2023.
- Jacobsen, T. Beginning gardening, St. Anthony, Idaho, March 18, 2023.
- Jacobsen, T. Beginning gardening, Idaho Falls, Idaho, 3 sessions, March 11, 2023.
- Jacobsen, T. Pruning, Ashton, Idaho, March 9, 2023.
- Jacobsen, T. Idaho Master Gardener Program plant anatomy, Zoom Presentation, January 18, 2023.
- Patterson, R. and **T. Jacobsen**. Plant talk, Zoom Presentation, September 27, 2022.
- Patterson, R., R. Findlay, and **T. Jacobsen**. Plant talk, Zoom Presentation, August 23, 2022.
- Jacobsen, T. Reducing water usage, Zoom Presentation, August 23, 2022.

4-H Youth Development

- Jacobsen, T., D. Roberson, D. Rogers, M. Rankin, H. Codling, and Z. Winters. Experiential robotics program for agriculture technology, Burley, Idaho, June 20, 2024.
- Jacobsen, T., M. Rankin, H. Codling, and Z. Winters. Curriculum for precision agriculture and our future, Burley, Idaho, 2 sessions, June 19, 2024.
- Jacobsen, T. Establishing norms for effective teams, Twin Falls, Idaho, June 18, 2024.

Jacobsen, T. Feeding livestock for the fair, Blackfoot, Idaho, 4 sessions, May 31, 2024.
Jacobsen, T. and E. O'Shia. Garden in a glove, Ashton, Idaho, 2 sessions, May 9, 2024.
Jacobsen, T. County government, Ashton, Idaho, May 9, 2024.
Jacobsen, T. Running a meeting, Ashton, Idaho, May 2, 2024.
O'Shia, E., D. Miller, and **T. Jacobsen**. Garden in a glove, St. Anthony, Idaho, 4 sessions, March 20, 2024.
Bennion, A. and **T. Jacobsen**. Employment skills, St. Anthony, Idaho, March 19, 2024.
Jacobsen, T. Elementary parliamentary procedure, St. Anthony, Idaho, January 25, 2024.
Jacobsen, T. Professional dress and etiquette, Ashton, Idaho, January 24, 2024.
Jacobsen, T., E. O'Shia, D. Miller, and A. Bennion. Garden in a glove, Teton, Idaho, November 28, 2023.
Jacobsen, T. and A. Bennion. Ashton Lego club, Ashton, Idaho, 2 sessions, November 3, 2023.
Jacobsen, T. and A. Bennion. Employment skills, Ashton, Idaho, October 11, 2023.
Jacobsen, T. Insects, St. Anthony, Idaho, September 14, 2023.
Jacobsen, T. Insects, St. Anthony, Idaho, September 6, 2023.
Jacobsen, T. Gardening, St. Anthony, Idaho, August 2, 2023.
Jacobsen, T. Gardening, St. Anthony, Idaho, July 19, 2023.
Jacobsen, T. Insects, St. Anthony, Idaho, July 13, 2023.
Jacobsen, T., E. O'Shia, D. Miller, and K. Lusk. Advanced rocketry, St. Anthony, Idaho, July 11, 2023.
O'Shia, E., D. Miller, **T. Jacobsen**, and K. Lusk. Beginning rocketry, St. Anthony, Idaho, July 11, 2023.
O'Shia, E., D. Miller, **T. Jacobsen**, and K. Lusk. Ashton STEM day, Ashton, Idaho, 4 sessions, July 6, 2023.
Jacobsen, T. Insects, St. Anthony, Idaho, June 29, 2023.
Jacobsen, T. Leatherworking, St. Anthony, Idaho, June 28, 2023.
Jacobsen, T. Gardening, St. Anthony, Idaho, June 21, 2023.
Jacobsen, T. Foraging in wildlands, Ashton, Idaho, 7 sessions, June 20, 2023.
Jacobsen, T. and J. Gibbons. Plant scavenger hunt, Alpine, Wyoming, 4 sessions, June 15, 2023.
Jacobsen, T. and J. Gibbons. Plant scavenger hunt, Alpine, Wyoming, 4 sessions, June 14, 2023.
Jacobsen, T. Gardening, St. Anthony, June 6, 2023.
Jacobsen, T. Gardening, St. Anthony, Idaho, May 24, 2023.
Jacobsen, T. Ashton ag days sheep and wool, Ashton, Idaho, 10 sessions, May 4, 2023.
O'Shia, E., D. Miller, and **T. Jacobsen**. Gardening, Island Park, Idaho, April 24, 2023.
Jacobsen, T. Connecting with your audience, Lava Hot Springs, Idaho, April 22, 2023.
O'Shia, E., D. Miller, and **T. Jacobsen**. Gardening, Parker, Idaho, March 28, 2023.
O'Shia, E., D. Miller, and **T. Jacobsen**. Art, Island Park, Idaho, March 27, 2023.
O'Shia, E., D. Miller, and **T. Jacobsen**. Gardening, Ashton, Idaho, March 24, 2023.
O'Shia, E., D. Miller, and **T. Jacobsen**. Gardening, Parker, Idaho, March 21, 2023.
O'Shia, E., D. Miller, and **T. Jacobsen**. Gardening, Parker, Idaho, March 14, 2023.
O'Shia, E., D. Miller, and **T. Jacobsen**. Gardening, St. Anthony, Idaho, 2 Sessions, March 9, 2023.
Jacobsen, T. Running effective meetings, St. Anthony, Idaho, February 23, 2023.
Jacobsen, T. Parliamentary procedure, Ashton, Idaho, January 25, 2023.
Jacobsen, T. Recordkeeping, Ashton, Idaho, January 24, 2023.
Jacobsen, T. Participating in meetings, Rigby, Idaho, January 10, 2023.
Jacobsen, T. Running effective meetings, Soda Springs, Idaho, January 6, 2023.
Jacobsen, T. Running effective meetings, Montpelier, Idaho, January 6, 2023.
Jacobsen, T. Employment skills, St. Anthony, Idaho, 2 sessions, December 20, 2022.
Jacobsen, T. Computer numerated control tools, Ashton, Idaho, December 19, 2022.
O'Shia, E., D. Miller, and **T. Jacobsen**. How snow is made, St. Anthony, Idaho, December 16, 2022.
Jacobsen, T. Parliamentary procedure, Ashton, Idaho, December 9, 2022.
Jacobsen, T. and S. Sagers. Building bat boxes, Ashton, Idaho, December 8, 2022.
Jacobsen, T. Employment skills, St. Anthony, Idaho, 2 sessions, December 6, 2022.
Jacobsen, T. Woodshop, Ashton, Idaho, November 16, 2022.
Jacobsen, T. Building an Adirondack chair, Ashton, Idaho, October 21, 2022.

- Jacobsen, T. Business communications, St. Anthony, Idaho, October 14, 2022.
- O'Shia, E., D. Miller, and **T. Jacobsen**. Halloween day camp, St. Anthony, Idaho, October 13, 2022.
- O'Shia, E., D. Miller, and **T. Jacobsen**. Lego robotics, St. Anthony, Idaho, October 5, 2022
- O'Shia, E., D. Miller, and **T. Jacobsen**. Lego robotics, St. Anthony, Idaho, October 3, 2022
- O'Shia, E., D. Miller, and **T. Jacobsen**. Lego robotics, St. Anthony, Idaho, September 28, 2022
- O'Shia, E., D. Miller, and **T. Jacobsen**. Lego robotics, St. Anthony, Idaho, September 26, 2022
- O'Shia, E., D. Miller, and **T. Jacobsen**. Ice cream in a bag, St. Anthony, Idaho, September 23, 2022.
- O'Shia, E., **T. Jacobsen**, and D. Miller. Pressing leaves, St. Anthony, Idaho, 4 sessions, September 22, 2022.
- O'Shia, E., D. Miller, and **T. Jacobsen**. Cake decorating, St. Anthony, Idaho, July 20, 2022.
- O'Shia, E., D. Miller, and **T. Jacobsen**. Cake decorating, St. Anthony, Idaho, July 19, 2022.
- O'Shia, E., D. Miller, and **T. Jacobsen**. Ice cream field day, St. Anthony, Idaho, July 14, 2022.

Integrated Pest Management

- Jacobsen, T., J. Hatch, R. Findlay, J. Gibbons, R. Patterson, and S. Baker. Minimizing pesticide resistance, Zoom Presentation, March 13, 2024.
- Jacobsen, T., Pesticide resistance, Zoom Presentation, December 12, 2023.
- Jacobsen, T., D. Callister, R. Findlay, J. Sagers, B. Henderson, and R. Hirnyck. Pesticide applicator training, Zoom Presentation, December 7, 2022.

Miscellaneous

- Jacobsen, T. Promotion and tenure third year presentation, Fort Hall, Idaho, October 8, 2024.
- Hines, S., **T. Jacobsen**, R. Mills, and M. Small with B. Petty, moderator. Tips for being a county chair and working with county commissioners, UI Extension County chair training, Twin Falls, Idaho, June 17, 2024.

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:

Peer Reviewed/Evaluated:

Journals:

- Jacobsen, T.**, S. Bush, J. Connors, and A. Cletzer. 2024. What norms do team-based leadership development event teams use to create a culture of success? *Journal of Agricultural Education*, Volume 65, Number 1, <https://jae-online.org/index.php/jae/article/view/97>. (a, 1, 2, 3, 4, 5, 6)

Other:

University of Idaho Extension Impact Statements:

- Jacobsen, T., J. Spackman, and P. Hutchison. 2024. Increased knowledge leads to improved practices and higher crop yields. <https://www.uidaho.edu/-/media/uidaho-responsive/files/extension/admin/impacts/2024/18-24-tjacobsen-crop-yields.pdf?la=en&rev=0b78dae8149f4b349af2ed2007a9c3e2>

Loomis, G., J. Spackman, R. Findlay, J. Sagers, J. Hatch, and **T. Jacobsen**. 2023. Malt barley yield and grain metabolite response to nitrogen and sulfur. <https://www.uidaho.edu/-/media/UIDaho-Responsive/Files/Extension/admin/Impacts/2023/30-23-gloomis-barley-yield.pdf>.

Jacobsen, T., R. Patterson, B. Henderson, R. Findlay, J. Gibbons, K. Tate, J. Werlin, and A. West. 2023. Regional Master Gardener Convention returns to Rexburg. <https://www.uidaho.edu/-/media/UIDaho-Responsive/Files/Extension/admin/Impacts/2023/28-23-tjacobsen-garden-convention.pdf>.

Hatch, J. L., J. Spackman, J. Marshall, J. Thomas, B. Henderson, R. Findlay, **T. Jacobsen**, J. Gibbons, R. Patterson, J. Sagers, D. Callister, A. Adjesiwor, and X. Liang. 2023. Local data for local cereal grain growers. <https://www.uidaho.edu/-/media/UIDaho-Responsive/Files/Extension/admin/Impacts/2023/33-23-jhatch-cereal-school.pdf>.

Abstracts and Proceedings:

Jacobsen, T. 2024. Experiential robotics program for agricultural technology. Idaho Association of County Agricultural Agents Annual Summer Meeting, Albion, Idaho.

Jacobsen, T. 2023. Running effective meetings. Idaho Association of County Agricultural Agents Annual Summer Meeting, Rigby, Idaho.

Thesis and Dissertations:

Jacobsen, T. 2020. What norms do team-based leadership development event teams use to create a culture of success? Master of Science thesis.

Scholarly Presentations and Other Creative Activities:

Displays and Posters:

Mookodi, K., J. Spackman, J. Sagers, **T. Jacobsen**, K. Schroeder, and J. Bevan. 2023. First-year evaluation of precipitated calcium carbonate as a lime amendment in eastern Idaho. UI Extension Annual Conference, Sun Valley, Idaho.

Professional Meeting Papers, Workshops:

Jacobsen, T. 2024. Curriculum for experiential robotics program for agriculture technology. Idaho Association of Agricultural Agents Annual Summer Meeting, Albion, Idaho.

Spackman, J.A., **T. Jacobsen**, and J. Sagers. 2023. Precipitated calcium carbonate as a lime amendment. 2023 Western Alfalfa and Forage Symposium: Soil Fertility and Health Workshop. Reno, Nevada.

Spackman, J., J. Bevan, J. Sagers, and **T. Jacobsen**. 2023. Precipitated calcium carbonate as a lime amendment in southern Idaho soils. American Society of Agronomy, Crop Science Society of America, and Soil Science Society of America Annual Meetings, St. Louis, Missouri.

Jacobsen, T. 2023. Running effective meetings. Idaho Association of County Agricultural Agents Annual Summer Meeting, Rigby, Idaho.

Mookodi, K., J. Spackman, J. Sagers, **T. Jacobsen**, K. Schroeder, and J. Bevan. 2023. First-year evaluation of precipitated calcium carbonate as a lime amendment in eastern Idaho. Western Nutrient Management Conference, Reno, Nevada.

Grants and Contracts Awarded:

- Spackman, J., A. Adjesiwor, J. Gibbons, **T. Jacobsen**, J. Sagers, and K. Schroeder. Liming for improved nutrient utilization and weed management in wheat. Idaho Wheat Commission, 2024, \$22,474 (no spending authority).
- Spackman, J., P. Hutchison, and **T. Jacobsen**. Interaction of Palisades and Axial on wild oat and lodging control in wheat. Idaho Wheat Commission, 2024, \$26,702 (\$7,985 spending authority).
- Spackman, J., K. Schroeder, **T. Jacobsen**, J. Hatch, J. Sagers, and J. Gibbons. Precipitated calcium carbonate to remediate acidic eastern Idaho soils. Idaho Barley Commission, 2024, \$26,058 (no spending authority).
- Spackman, J., J. Bevan, J. Pandey, R. Findlay, J. Sagers, J. Hatch, **T. Jacobsen**, J. Walling, and S. Whitcomb. Malt barley yield and grain metabolite response to nitrogen and sulfur grown outside the Snake River plain. Idaho Barley Commission, 2024, \$31,089 (no spending authority).
- Roberson, D. and **T. Jacobsen**. Experiential Agritech Program, Idaho National Laboratory K-12 Grant, 2023-present, \$40,000 (\$9,000 spending authority).
- Miller, D. and **T. Jacobsen**. Fremont County shooting sports. National Rifle Association, 2023, \$12,442 (\$12,442 spending authority).
- Spackman, J., **T. Jacobsen**, J. Hatch, J. Sagers, and J. Gibbons. Precipitated calcium carbonate to remediate acidic eastern Idaho soils. Western Sustainable Agriculture Research and Education, 2022-present, \$75,000 (no spending authority).
- Spackman, J., A. Adjesiwor, J. Gibbons, **T. Jacobsen**, J. Sagers, and K. Schroeder. Liming for improved nutrient utilization and weed management in wheat. Idaho Wheat Commission, 2022 –2023, \$29,415 (no spending authority).
- Jacobsen, T.**, and D. Miller. Mobile classroom. Community Hospital Corporation Foundation, 2022, \$14,069 (\$14,069 spending authority).

Internal Funding Awarded:

- Jacobsen, T. Endowment Travel Stipend to attend Western Nutrient Management Conference, 2024, \$500.
- Jacobsen, T. University of Idaho Extension Summer Intern Award, 2024, \$6,800.
- Findlay, R., J. Spackman, J. Sagers, and **T. Jacobsen**. Annual alfalfa nitrogen credits for barley production. University of Idaho Extension Innovative Project Grants, 2024, \$10,000 (no spending authority).
- Findlay, R., J. Spackman, J. Sagers, and **T. Jacobsen**. Non-dormant alfalfa as a nitrogen source for subsequent small grain crops. University of Idaho Extension Innovative Project Grants, 2023, \$5,000 (no spending authority).

In-kind and Industry Support:

- Miller, D. and **T. Jacobsen**, Fremont County 4-H, Blackfoot Communications, 2023, \$500 (\$500 spending authority).

SERVICE:**Major Committee Assignments:****State:**

Idaho FFA Association Leadership Development Event Committee, 2023-present
 Parliamentary Procedure Superintendent, 2023-present
 Conduct of Chapter Meetings Superintendent, 2023-present
 Idaho State Leadership Conference Parliamentarian Superintendent, 2023-present
 Idaho FFA Alumni Executive Committee, 2023-present
 District Representative, 2023-present

Extension:

University of Idaho Master Gardener Planning Team, 2023-present
 National 4-H Congress chaperone, 2022

District:

Eastern District 4-H Horse Committee, 2023-present
 Bylaws Committee, 2023
 Alpine 4-H Camp Committee, 2023-present
 County Representative, 2023-present
 Sub-district Executive Committee Representative, 2023-present
 Bylaws Committee, 2023
 Eastern District 4-H Committee, 2022-present
 Bylaws Committee, 2023
 President, 2022-present
 Eastern District Promotion and Tenure Committee, Non-tenured representative, 2022-present
 District Pesticide Applicator Training Committee, 2022-present
 Committee Chair, 2022-present
 Eastern Idaho State Fair, Goat Show Chair, 2022-present
 Eastern Idaho State Fair, Livestock Committee, 2022-present
 Secretary, 2023-present

County/Local:

Natural Resources Conservation Service Working Group, 2024-present
 Henry's Fork Watershed Council, 2022-present
 Sugar Salem FFA Advisory Committee, 2022-present
 North Fremont FFA Advisory Committee, 2022-present
 South Fremont FFA Advisory Committee, 2022-present
 Kurt and Genola Kandler Scholarship Committee, 2013-present
 Bylaws Committee, 2023-2024
 Fremont County Livestock Committee, 2006-present

Professional and Scholarly Organizations:

Leadership Idaho Agriculture (Class 44), 2023-present
 Eastern District Planning Committee, 2023
 Idaho Association of Extension 4-H Professionals, 2022-present
 Eastern District Senior Director, 2024-present
 Eastern District Junior Director, 2023-2024
 National Association of Extension 4-H Professionals, 2022-present
 Idaho Association of County Agricultural Agents, 2022-present
 National Association of County Agricultural Agents, 2022-present

Joint Council of Extension Professionals, 2022-present
 Idaho Agricultural Teachers Association, 2006-2022
 Board of Directors (Co-Chair), 2020-2022
 Supervised Agricultural Experience Committee, 2019-2022
 Board of Directors (District Director), 2016-2022
 Idaho FFA Foundation (Idaho Agricultural Teachers Association Representative), 2016-2020
 Mentor Committee, 2016-2019
 Curriculum Committee, 2006-2015
 National Association of Agricultural Educators, 2002-2022

Outreach Service:

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

Eastern Idaho State Fair goat show, Blackfoot, Idaho, September 5, 2024.
 Fremont County Fair, St. Anthony, Idaho, August 6-10, 2024.
 Forestry for Eastern Idaho Field Day, August 1, 2024.
 Cereal Field Day, Teton, Idaho, July 25, 2024.
 Ashton Field Day, Ashton, Idaho, July 15, 2024.
 Regional Master Gardener Convention, Rexburg, Idaho, July 19, 2024.
 Experiential robotics program for agriculture technology, Burley, Idaho, June 20, 2024.
 Curriculum for experiential robotics program for agriculture technology, Burley, Idaho, June 19, 2024.
 Fremont and Madison County 4-H Camp, Alpine, Wyoming, June 19-21, 2024.
 Experiential robotics program for agriculture technology, Idaho Falls, April 30, 2024.
 Fremont County advisory committee meeting, St. Anthony, Idaho, March 20, 2024.
 Pesticide applicator recertification training, Zoom, March 13, 2024.
 Eastern District forage school, St. Anthony, Idaho, March 12, 2024.
 Eastern District cereal school, St. Anthony, Idaho, February 8, 2024.
 Eastern District beef school, Rexburg, Idaho, January 31, 2024.
 Land SMART, St. Anthony, Idaho, 4 sessions, October 12, 19, 26, November 2, 2023.
 2023 Fall Eastern District professional development meeting, Swan Valley, Idaho, September 20-21, 2023.
 Eastern Idaho State Fair goat show, Blackfoot Idaho, September 7, 2023.
 Fremont County Fair, St. Anthony, Idaho, August 7-12, 2023.
 Forestry Field Day, Island Park, Idaho, July 27, 2023.
 Cereal Field Day, Teton, Idaho, July, July 26, 2023.
 Regional Master Gardener Convention, Rexburg, Idaho, June 23, 2023.
 Fremont and Madison County 4-H Camp, Alpine, Wyoming, June 14-16, 2023.
 Fremont County advisory committee meeting, St. Anthony, Idaho, March 15, 2023.
 Pesticide applicator recertification training, Zoom, March 8, 2023.
 Eastern District forage school, St. Anthony, Idaho, March 1, 2023.
 Eastern District cereal school, St. Anthony, Idaho, February 9, 2023.
 Online Idaho Master Gardener Program, Zoom, 12 online classes, 2023.
 Pesticide applicator recertification training, Zoom, December 7, 2022.
 Eastern Idaho State Fair goat show, Blackfoot Idaho, September 8, 2022.
 Fremont County Fair, St. Anthony, Idaho, August 8-13, 2022.

Miscellaneous Extension Publications:

Pest Alert Newsletter, Circulation 570

Recognizing sapsucker damage to your trees. September 15, 2023.

Popular Press:

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 War on Weeds, Annual Sowthistle. March 25, 2023.
 War on Weeds, Spotted Spurge. March 18, 2023.
 War on Weeds, Wild Buckwheat. March 11, 2023.
 War on Weeds, Common Purslane. March 4, 2023.
 War on Weeds, Virginia Creeper. February 25, 2023.
 War on Weeds, Myrtle Spurge. February 18, 2023.
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 War on Weeds, Cutleaf Nightshade. February 4, 2023.
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- Storing fresh vegetables. August 8, 2023. https://www.postregister.com/farmandranch/columnists/in-the-garden-storing-fresh-vegetables/article_7a8d6e14-314f-11ee-9e91-9bd691062da4.html
- Controlling aphids in your garden. July 25, 2023.
https://www.postregister.com/farmandranch/columnists/in-the-garden-controlling-aphids-in-your-garden/article_3b5e7116-2655-11ee-9aa0-471aec3b3f85.html
- Use shade to produce the best fruits and vegetables. July 11, 2023.
https://www.postregister.com/farmandranch/columnists/in-the-garden-using-shade-to-produce-fruits-and-vegetables/article_27da37fc-1f4c-11ee-ad8c-7bc4e56a8c70.html
- Integrated weed management for the garden. June 27, 2023.
https://www.postregister.com/farmandranch/columnists/in-the-garden-integrated-weed-management-for-the-garden/article_423bc0f4-1464-11ee-b95d-6bfe6c543e0f.html
- Do mushrooms hurt my lawn? June 13, 2023.
https://www.postregister.com/farmandranch/columnists/in-the-garden-do-mushrooms-hurt-my-lawn/article_7ec01bde-0a2c-11ee-8e85-b71db8971692.html
- Grub control in lawns. May 30, 2023. https://www.postregister.com/farmandranch/columnists/in-the-garden-grub-control-in-lawns/article_5c766a48-ff18-11ed-a2b5-bfb4513b4e05.html
- Efficient water use through drip irrigation. May 14, 2023.
https://www.postregister.com/farmandranch/columnists/in-the-garden-efficient-water-use-through-drip-irrigation/article_612ce978-f41d-11ed-8362-87bddfe073d8.html
- Dealing with animal urine damage on your grass. April 30, 2023.
https://www.postregister.com/farmandranch/columnists/in-the-garden-animal-urine-damage-on-turfgrass/article_fa5f80da-e44e-11ed-8e00-07587774b890.html

Interview Articles:

- Smith, L. Fremont County Extension survey available online. Upper Valley Standard Journal, October 3, 2022.

Webpages/Social Media:

Fremont 4-H & UI Extension Facebook Page, 2024-present.
 UI Extension, Fremont County 4-H Facebook Page, 2022-2024.

Applied Research/Demonstration Trials:

Is wild oat and lodging control reduced when Palisades is tank mixed with Axial?, cooperative study with Idaho Wheat Commission, Ashton, Idaho, 2024-present.
 Malt barley yield and grain metabolite response to nitrogen and sulfur grown outside the Snake River plain, cooperative study with Idaho Barley Commission, Aberdeen, Idaho, 2023-present.
 Non-dormant alfalfa as a nitrogen source for subsequent small grain crops, demonstration study on Aberdeen Research and Extension Center, Aberdeen, Idaho, 2023-present.
 Precipitated calcium carbonate to remediate acidic eastern Idaho soils, cooperative study with Western Sustainable Agriculture Research and Education, Southeast Idaho, 2022-present.
 Precipitated calcium carbonate to remediate acidic eastern Idaho soils, cooperative study with Idaho Barley Commission, Ashton, Idaho, 2022-present.
 Liming for improved nutrient utilization and weed management in wheat, cooperative study with Idaho Wheat Commission, Ashton, Idaho, 2022-present.

Judging:

Eastern Idaho State Fair Livestock Judging Reasons, Blackfoot, Idaho, September 7, 2024.
 State Horse Bowl Moderator, Rigby, Idaho, July 9, 2024.
 State Shooting Sports Air Rifle, St. Anthony, Idaho, June 7, 2024.
 Eastern District Shooting Sports Rimfire, St. Anthony, Idaho, May 18, 2024.
 Eastern District Shooting Sports Air Rifle, St. Anthony, Idaho, May 18, 2024.
 Idaho FFA Conduct of Chapter Meetings Leadership Development Event, Twin Falls, Idaho, April 3-5, 2024.
 Idaho FFA State Parliamentary Procedure Leadership Development Event, Twin Falls, Idaho, April 3-4, 2024.
 Idaho FFA State Leadership Convention State Parliamentarian Exam, Twin Falls, Idaho, April 3, 2024.
 Farm Bureau Speech Contest, Rexburg, Idaho, February 1, 2024.
 Eastern Idaho State Fair Livestock Judging Reasons, Blackfoot, Idaho, September 9, 2023.
 Fremont County Market Lamb Record Books, St. Anthony, Idaho, August 4, 2023.
 Eastern District Horse Contest Reasons, Grace, Idaho, June 12, 2023.
 Eastern District Horse Contest Horse Bowl, Grace, Idaho, June 12, 2023.
 State Shooting Sports Rimfire, St. Anthony, Idaho, June 10, 2023.
 State Shooting Sports Archery, Rigby, Idaho, June 9, 2023.
 Eastern District Shooting Sports Rimfire, St. Anthony, Idaho, June 3, 2023.
 Eastern District Shooting Sports Air Rifle, St. Anthony, Idaho, June 3, 2023.
 North Upper Snake River FFA District Conduct of Chapter Meetings Leadership Development Events, Ashton, Idaho, March 7, 2023.
 North Upper Snake River FFA District Creed Speaking Leadership Development Events, Ashton, Idaho, March 7, 2023.
 North Upper Snake River FFA District State Degree and Star Judging, Madison High School, Rexburg, Idaho, January 25, 2023.
 Fremont County Farm Bureau Discussion Meet, South Fremont High School, St. Anthony, Idaho, January 24, 2023.
 Creed Speaking, North Fremont High School, Ashton, Idaho, December 13, 2022.
 Agriscience fair, Sugar-Salem High School, Sugar City, Idaho, November 18, 2022.
 Mock job interviews, South Fremont High School, St. Anthony, Idaho, September 2, 2022.

Review Activities:

University of Idaho Extension Publishing, FastTrack reviewer.
 2024, one publication.
 2023, one publication.

Community Service:

Fremont County Pioneer Days Committee, 2022-present.
 Chairman, 2024-present
 Board Member, 2022-present

PROFESSIONAL DEVELOPMENT:**Outreach:**

Digital Measures Training, Zoom, October 10, 2024.
 Eastern District Faculty Meeting, Fort Hall, Idaho, October 8-9, 2024.
 Promotion and Tenure Meeting, Blackfoot, Idaho, August 28, 2024.
 Henry's Fork Watershed Council Tour, Island Park, Idaho, August 20, 2024.
 Forestry for Eastern Idaho Field Day, Driggs, Idaho, August 1, 2024.
 Cereal Grain Field Day, Teton, Idaho, July 25, 2024.
 Regional Master Gardener Convention, Rexburg, Idaho, July 19, 2024.
 Ashton Field Day, Ashton, Idaho, July 15, 2024.
 Idaho Association of County Agricultural Agents Summer Meeting, Albion, Idaho, June 5-6, 2024.
 Cultivating Success Team Meeting, Caldwell, Idaho, May 21-22, 2024.
 Idaho Agland Protection Roundtable, Zoom, May 16, 2024.
 Forge Field Day, Aberdeen, Idaho, May 15, 2024.
 Eastern District Spring Faculty Meeting, Idaho Falls, Idaho, April 25, 2024.
 University of Idaho Extension Annual Conference, Moscow, Idaho, April 8-11, 2024.
 Idaho State FFA Leadership Conference, Twin Falls, Idaho, April 3-5, 2024.
 Horticulture and Small Farms PET Meeting, Zoom, March 27, 2024.
 Food Production PET Meeting, Zoom, March 26, 2024.
 Natural Resources Conservation Service working group meeting, St. Anthony, Idaho, March 27, 2024.
 Promotion and Tenure Meeting, Idaho Falls, Idaho, March 26, 2024.
 Center for Advanced Energy Studies faculty orientation, Idaho Falls, Idaho, March 14, 2024.
 Henry's Fork Watershed Council meeting, Ashton, Idaho, March 12, 2024.
 Innovation lab walkthrough, Idaho Falls, Idaho, February 26, 2024.
 Leadership Idaho Agriculture, Boise, Idaho, February 18-23, 2024.
 Center for Advanced Energy Studies facility walkthrough, Idaho Falls, Idaho, February 15, 2024.
 Core lab training, Asynchronous web training, February 14, 2024.
 Pasture school planning, Zoom, February 13, 2024.
 Cereal school planning, Zoom, February 13, 2024.
 Succession planning training, Tremonton, Utah, January 30, 2024.
 Idaho Horticulture Expo, Boise, Idaho, January 17, 2024.
 Forge school planning, Zoom, January 10, 2024.
 Leadership Idaho Agriculture, Twin Falls, Idaho, January 1-5, 2024.
 2023 Idaho Ag Outlook Seminar, Idaho Falls, Idaho, December 12, 2023.
 Leadership Idaho Agriculture, Idaho Falls, Idaho, December 4-7, 2023.
 Idaho Master Gardener train the trainer, Zoom, November 27, 2023.
 Cereal school planning, Pocatello, Idaho, November 16, 2023.
 Leadership Idaho Agriculture, Moscow, Idaho, November 6-9, 2023.
 Eastern District Faculty Meeting, Swan Valley, Idaho, September 20-12, 2023.
 Land SMART Planning Meeting, Zoom, September 15, 2023.
 Horticulture and Small Farms PET Meeting, Twin Falls Idaho, September 12, 2023.
 Horticulture and Small Farms In-Service, Twin Falls, Idaho, September 11-12, 2023.
 Promotion and Tenure Meeting, Blackfoot, Idaho, September 5, 2023.

Land SMART Planning Meeting, Zoom, August 29, 2023.
 Idaho Master Gardener Planning Meeting, Zoom, August 28, 2023.
 Henry's Fork Watershed Council tour, Ashton, Idaho, August 15, 2023.
 Leafy Spurge Field Day, Rexburg, Idaho, August 2, 2023.
 Forestry Field Day, Island Park, Idaho, July 27, 2023.
 Cereal Grain Field Day, Teton, Idaho, July 26, 2023.
 Promotion and Tenure Meeting, Idaho Falls, Idaho, July 24, 2023.
 Regional Master Gardener Convention, Rexburg, Idaho, June 23, 2023.
 Idaho Association of County Agricultural Agents Summer Meeting, Dubois, Idaho, June 1, 2023.
 Idaho Association of County Agricultural Agents Summer Meeting, Rigby, Idaho, May 31, 2023.
 Eastern District Animal Science In-Service Training, Salmon, Idaho, May 18-19, 2023.
 Eastern District Faculty Meeting, Pocatello, Idaho, April 27, 2023.
 University of Idaho Extension Annual Conference, Sun Valley, Idaho, April 10-13, 2023.
 High tunnel workshop, Rigby, Idaho, March 23, 2023.
 Henry's Fork Watershed Council meeting, March 14, 2023.
 Idaho chemigation training, Asynchronous web training, January 31, 2023.
 Idaho Master Gardener Program, Zoom training, 12 sessions, January-April, 2023.
 Basic CPR and First Aid, St. Anthony, Idaho, January 23, 2023.
 Idaho Potato Conference, Pocatello, Idaho, January 18-19, 2023.
 Eastern District 4-H In-service, Rigby, Idaho, January 10, 2023.
 Dual credit enrollment training, Zoom training, January 9, 2023.
 Bylaws committee meeting, Zoom training, December 29, 2022.
 Forage school planning, Zoom training, November 21, 2022.
 Cereal school planning, Pocatello, Idaho, November 17, 2022.
 Pesticide applicator training for extension educators, American Falls, Idaho, November 16, 2022.
 Teams training, Zoom training, November 14, 2022.
 Eastern district faculty meeting, Montpelier, Idaho, November 2-3, 2022.
 Idaho 4-H statewide training, Boise, Idaho, October 24-26, 2022.
 New 4-H professional training, Boise, Idaho, October 24, 2022.
 Natural Resource Conservation Service urban agriculture tour, Rigby, Idaho, September 14, 2022.
 University of Idaho new faculty orientation, Moscow, Idaho, August 15-17, 2022.

Administration/Management:

County chair training, Twin Falls, Idaho, June 17-18, 2024.
 Provost Training, Zoom, April 23, 2024.
 Master Gardener Canvas Training, January 10, 2024.
 Creating your own report in Digital Measures, Zoom, October 18, 2023.
 CV training, Zoom, October 16, 2023.
 County chair training, Idaho Falls, Idaho, September 19-20, 2023.
 Digital Measures reporting, Zoom, August 22, 2023.
 Jaggaer training, Zoom, June 22, 2023.
 Conflict management: A practical workshop for leaders, Asynchronous web training, March 21, 2023.
 Discover your role and impact in creating team engagement, Asynchronous web training, March 21, 2023.
 Introduction to Chrome River training, Zoom training, March 7, 2023.
 Fremont County website training, Zoom training, February 14-16, 2023.
 Building confidence as a new leader: overcoming internal barriers, Asynchronous web training, January 30, 2023.
 Purchasing card program and travel expense training, Asynchronous web training, January 30, 2023.
 3R's of background screening, Zoom training, November 18, 2022.
 CV training, Zoom training, October 10, 2022.
 Extension evaluation training, Zoom training, September 29, 2022.
 Digital Measures training, Zoom training, August 23, 2022.