

CURRICULUM VITAE

University of Idaho

NAME: Kasia M. Duellman (additional name: Kasia M. Kinzer)

DATE: 13 July 2023

RANK OR TITLE: Associate Professor, Extension Seed Potato Specialist

DEPARTMENT: Entomology, Plant Pathology & Nematology

OFFICE LOCATION:

Idaho Falls R&E Center
1776 Science Center Drive, Suite 205
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WEB: webpages.uidaho.edu/extension-seed-potato/

DATE OF FIRST EMPLOYMENT AT UI: 14 January 2016

DATE OF TENURE: July 2023

DATE OF PRESENT RANK OR TITLE: July 2023

EDUCATION BEYOND HIGH SCHOOL:

Degrees:

Ph.D., 2015, Plant Pathology, North Dakota State University, Fargo ND
M.S., 1996, Plant Pathology, University of Minnesota, St. Paul MN
B.S., 1993, Biology, Arizona State University, Tempe AZ

Additional Coursework for Credit:

Certificates and Licenses:

Idaho State Department of Agriculture, pesticide applicator license

EXPERIENCE:

Teaching, Extension and Research Appointments:

2016-2023, Assistant Professor and Extension Seed Potato Specialist, University of Idaho, Idaho Falls, Idaho
2004-2015, Director and Plant Diagnostician, NDSU Plant Diagnostic Lab, North Dakota State University, Fargo, North Dakota
1997-1998, Irregular Help, University of Idaho, Parma, Idaho
1996-1997, Research Associate, Iowa State University, Ames, Iowa
1993-1996, Graduate Research Assistant, University of Minnesota, St. Paul, Minnesota

Non-Academic Employment including Armed Forces:

1998-current, Co-owner, Process Equipment and Design LLC
2008-2017, Co-owner, Quasar Energy LLC, Fargo ND
2002-2003, Bookkeeper and Auto-CAD drafter, Process Equipment and Design LLC, Parma ID
2002, Computer Lab Coordinator, Fruitland High School, Fruitland ID
1998-2002, Stock Seed Manager, Dorsing Seeds, Parma ID

Consulting:

2017, Evaluating seed health testing protocols at the San Luis Valley Research Center, Colorado State University, Colorado, August 23-24

TEACHING ACCOMPLISHMENTS: (Academic and Extension teaching)

Areas of Specialization:

Potato pathology

Plant pathology

Courses Taught:

Potato Science, PLSC 490/590, Fall 2021 (one lecture)
Introductory Plant Pathology lab sections, North Dakota State University, PPTH360, Fall semesters, 2004-2015

Students Advised:

Major Professor:

Christy Christian, Ph.D. completed May 2023
Wesley Bills, M.S. started January 2020

Graduate Student Committees:

Lara Brown (Advisor: J. Woodhall), Ph.D. started 2023
Benjamin Wood (Advisor: J. Woodhall), M.S. started 2022
Emmanuel Opare (College of Engineering; Advisor: D. Shrestha), Ph.D. started 2021
Tyler Spence (Advisor: N. Olsen), M.S. started 2021
Sandesh Dangi (Advisor: P. Wharton), Ph.D. completed May 2022

Materials Developed: (non-scholarship activity)

Webpages:

Duellman, K.M. Seed potato pathology research and extension.
<https://webpages.uidaho.edu/extension-seed-potato/index.html> 2019

Video Productions:

Duellman, K., and J. Thomas. 2022. Disease management basics in potatoes. University of Idaho College of Agriculture and Life Sciences YouTube channel. <https://youtu.be/A7KY2k9Gj3U>

Duellman, K., Hutchinson, P.J.S., and Marshall, J. 2022. Ag Talk Tuesday. YouTube videos. <https://www.youtube.com/playlist?list=PL6g6ZYcM47s85ASnhBIMHbFMD-x-zAGt6>. 7 videos

Duellman, K., Hutchinson, P.J.S., and Marshall, J. 2021. Ag Talk Tuesday. YouTube videos. <https://www.youtube.com/playlist?list=PL6g6ZYcM47s85ASnhBIMHbFMD-x-zAGt6>. 6 videos

Duellman, K., Hutchinson, P.J.S., and Marshall, J. 2020. Ag Talk Tuesday. YouTube videos. <https://www.youtube.com/playlist?list=PL6g6ZYcM47s85ASnhBIMHbFMD-x-zAGt6>. 6 videos

Displays and Posters:

Duellman, K., Lent, M., Bertram, M., Randall, J., Clark, S. Seed potato research: Keeping an “Eye” on potatoes, with the “Pin the eye on the potato” game. Kimberly Twilight Tour, Kimberly, ID, 2018, 2016, and Aberdeen Twilight Tour, Aberdeen, ID, 2022, 2019, 2017.

Non-credit Classes, Workshops, Seminars, Invited Lectures, etc.:

Duellman, K. 2023. Basics of plant pathology and common plant diseases in Idaho. Master Gardener training, online, 15 February 2023. Invited
Duellman, K. and Christian, C. 2023. Fusarium dry rot in the face of fungicide resistance and potato variety selection. WA/OR Potato Conference, Moses Lake, WA, January 25, 2022. Invited
Duellman, K., Karasev, A., and Woodhall, J. 2023. New and unusual potato diseases – Spanish language session. Idaho Potato Conference, Pocatello, ID, January 19, 2023. Invited
Duellman, K., Karasev, A., and Woodhall, J. 2023. New and unusual potato diseases. Idaho Potato Conference, Pocatello, ID, January 19, 2023.
Duellman, K., Hutchinson, P.J.S., and Wenninger, E. Potatoes 101: Basics of pest management. Idaho Potato Conference, Pocatello, ID, January 18, 2023.
Woodhall, J., Miller, J., Duellman, K., and Wharton, P. 2023. Plant pathology field trials in southern

- Idaho. Idaho Potato Conference, Pocatello, ID, January 18, 2023.
- Wenninger, E., Woodhall, J. and Duellman, K. 2023. The New IPM Dashboard. Idaho Potato Conference, Pocatello, ID, January 18, 2023.
- Duellman, K. 2023. Comparing PVY and PLRV management strategies. ICIA Seed Potato Seminar, Pocatello, ID, January 17, 2023. Invited
- Duellman, K. 2022. Seed potato pathology research and extension program. University of Idaho Snake River Weed Tour. Aberdeen, Idaho, 28 June 2022.
- Christian, C. and Duellman K. 2022. Fusarium dry rot and Clearwater Russet. McCain Grower Meeting, 9 March 2022. Online. Invited
- Duellman, K.M. and Christian, C. 2022. The Fusarium dry rot players of the Pacific Northwest. Western Washington Potato Workshop, Mount Vernon, WA, February 25, 2022. Invited
- Duellman, K.M. 2022. Seed potato research in southeast Idaho. EPPN Seminar series, online, January 31, 2022.
- Christian, C. and Duellman, K.M. 2022. Fusarium dry rot pathogens in the Pacific Northwest and their aggressiveness to selected potato varieties. WA/OR Potato Conference, Moses Lake, WA, January 26, 2022. Invited
- Duellman, K.M. 2022. Which is better: cut vs. whole seed? Idaho Potato Conference, Pocatello, ID, January 20, 2022.
- Hutchinson, P.S.J., Duellman, K., Wharton, P., Wenninger, E., Rashed, A., and Adjesiwor, A. 2022. Pesticide resistance management. Idaho Potato Conference, Pocatello, ID, January 19, 2022.
- Christian, C. and Duellman, K.M. 2022. Fusarium dry rot pathogens in the Pacific Northwest and their aggressiveness to selected potato varieties. Idaho Potato Conference, Pocatello, ID, January 19, 2022.
- Duellman, K.M. 2022. Seed potato disease management - Fusarium dry rot and Potato virus Y. ICIA Seed Potato Seminar, Pocatello, ID, January 18, 2022. Invited
- Duellman, K.M. and Christian, C. 2021. Fusarium dry rot and managing fungicide resistance. Idaho Association of Plant Protection annual meeting, November 3-4, 2021.
- Duellman, K.M. 2021. Seed potato production and certification. University of Idaho Potato Science (PLSC 490/590), Guest Lecture #4, September 1, 2021. Invited
- Duellman, K.M. 2021. Potato Diseases. University of Idaho Potato Science (PLSC 490/590), Guest Lecture #8, online, September 20, 2021. Invited
- Duellman, K.M. and Christian, Christy. 2021. Fungicide resistance management and fungicide resistance in *Fusarium* species. Ag Talk Tuesday, online, August 17, 2021.
- Duellman, K.M. 2021. Selected research projects to manage tuber-borne diseases – Dry rot and PVY. Ag Talk Tuesday, online, August 3, 2021.
- Duellman, K.M., Lent, M., Bills, W., Christian, C. 2021. Seed potato research & extension update. Potato Pest & Disease Advisory Group meeting, online, March 1, 2021.
- Duellman, K.M. 2021. Addressing Potato Challenges Through Research. Leadership Idaho Agriculture, Idaho Falls, ID, February 23, 2021.
- Duellman, K.M., Lent, M., Bills, W., Christian, C. Seed potato research and extension program for 2021. 4th Annual Seed Potato Research Advisory Group meeting, online, February 17, 2021. (organizer)
- Duellman, K.M. 2021. Seed potato update. IPC Ag Affairs Committee, online, February 11, 2021.
- Duellman, K.M. and Christian, C. 2021. Exploring the causes of Fusarium dry rot in the Pacific Northwest. Washington/Oregon Potato Conference, online, January 28, 2021. Invited
- Duellman, K.M. 2021. Aphid monitoring network for PVY risk. Idaho Crop Improvement Association Seed Potato Seminar, online, January 26, 2021. Invited
- Christian, C. and Duellman, K.M. 2020. Pathogenicity of *Fusarium* species isolated from Pacific Northwest potato tubers. Idaho Association of Plant Protection annual meeting, online, November 4, 2020.
- Duellman, K.M. 2020. Seed piece and in-furrow fungicides for managing *Fusarium* seed piece decay and *Rhizoctonia* diseases. Idaho Association of Plant Protection annual meeting, online, November 4, 2020.
- Duellman, K.M. and Christian, C. 2020. Fusarium dry rot in the Pacific Northwest: the culprits and fungicide resistance. Western Washington Potato Workshop, Mount Vernon, WA, February 21, 2020. Invited
- Duellman, K. 2020. When does PVY in-season movement count? Idaho Potato Conference, Pocatello, ID, January 22, 2020.

- Duellman, K. 2020. Pest and disease surveillance programs: Aphid monitoring for PVY risk. Idaho Potato Conference, Pocatello, ID, January 22, 2020.
- Duellman, K. 2020. Overview of tuber-borne diseases of potato. Idaho Potato Conference, Pocatello, ID, January 22, 2020.
- Duellman, K. 2020. Aphid monitoring for PVY risk 2019: What we learned and where we go from here. Idaho Crop Improvement Association Seed Potato Seminar, Pocatello, ID, January 21, 2020. Invited
- Duellman, K. and Christian, C. 2019. Managing Fusarium dry rot. Hermiston Farm Fair, Hermiston, OR, December 4, 2019. Invited
- Christian, C. and Duellman, K. 2019. *Fusarium* species infecting potato and fungicide resistance screening. Idaho Association of Plant Protection annual meeting, Twin Falls, ID, November 6, 2019.
- Duellman, K.M. 2019. Managing Fusarium dry rot. Syngenta Field Day, Rupert, ID, August 21, 2019. Invited
- Duellman, K.M. 2019. Genetics and potatoes. Friends for Learning, Idaho Falls, ID, March 20, 2019.
- Duellman, K.M. 2019. Fusarium in potatoes. Western Washington Potato Workshop, Mount Vernon, February 22, 2019. Invited
- Duellman, K.M. 2019. Research Update on Fusarium characterization in the Pacific Northwest. Idaho Potato Conference, Pocatello, ID, January 24, 2019.
- Duellman, K.M. 2019. Panel discussion on pesticide resistance management. Moderator. Idaho Potato Conference, Pocatello, ID, January 24, 2019.
- Duellman, K. 2019. Managing Fusarium dry rot. Idaho Potato Conference, Pocatello, ID, January 24, 2019.
- Duellman, K. 2019. Fusarium Seed Piece Decay, Variety Susceptibility, and Management. ICIA Potato Seed Grower's Seminar, Pocatello, ID, January 22, 2019. Invited
- Duellman, K. 2018. Advances in seed potato treatments. Syngenta Potato Partners 2018, San Antonio, TX, November 14, 2018. Invited
- Duellman, K. 2018. 2018 Update on Extension Seed Potato Research. ICIA Area Meeting, Idaho Falls, ID, October 30, 2018.
- Duellman, K. 2018. Current issues regarding quality of seed potatoes. University of Idaho Quality Task Force, Boise, ID, September 14, 2018.
- Duellman, K. 2018. Fusarium dry rot. Western Washington Potato Workshop, Mount Vernon, WA, February 23, 2018. Invited
- Duellman, K. 2018. Extension seed potato quality programs. UI Pest Advisory Committee Meeting, Twin Falls, ID, February 14, 2018.
- Duellman, K. and Woodhall, J. 2018. Spore trapping network update. IPC Ag Affairs Committee Meeting, Idaho Falls, ID, February 6, 2018.
- Duellman, K. 2018. Diagnosing and managing bacterial diseases. Idaho Potato Conference, Pocatello, ID, January 18, 2018.
- Hutchinson, P., Thornton, M., and Duellman, K. 2018. In-field troubleshooting. Idaho Potato Conference, Pocatello, ID, January 18, 2018.
- Wharton, P., Woodhall, J., and Duellman, K. 2018. Disease Management – Tuber/Soilborne disease management. Idaho Potato Conference, Pocatello, ID, January 17, 2018.
- Wharton, P., Woodhall, J., and Duellman, K. 2018. Disease Management – Foliar disease management. Idaho Potato Conference, Pocatello, ID, January 17, 2018.
- Duellman, K. 2017. Managing Rhizoctonia Diseases and Improving Seed Potato Quality. IAPP Annual Meeting, Twin Falls, ID, November 2, 2017.
- Duellman, K. 2017. Extension Seed Potato Research Update. ICIA Combined Area Meeting, Idaho Falls, ID, October 31, 2017.
- Woodhall, J. and Duellman, K. 2017. Spore Trap Network Update. IGSA Conference, Sun Valley, ID, August 30, 2017. Invited
- Duellman, K. 2017. Bacterial Ring Rot Lab Training: Best practices for testing for the bacterial ring rot pathogen. Colorado State University, San Luis Valley, CO, August 22-25, 2017. Invited
- Duellman, K.M. 2017. Seed Potato Field Trials. UofI Pest Management Field Day, Aberdeen, ID, June 21, 2017.
- Duellman, K.M. 2017. Seed Potato Quality Program. PLSC 523: Potato Industry Field Trip, Idaho Falls, ID, April 14, 2017.
- Duellman, K.M. 2017. Plant Disease Diagnosis. UofI Extension Conference, Burley, ID, April 4, 2017.

- Duellman, K. 2017. Proactive Potato Disease Management Using Spore Traps. IGSA Spring Member Meeting, Idaho Falls, ID, March 29, 2017. Invited
- Duellman, K and Woodhall, J. 2017. Spore Trap Network Proposal. IGSA Board Meeting, Idaho Falls, ID, February 23, 2017.
- Duellman, K. 2017. Meet the Seed Potato Quality Program at the UofI. Ashton Grain School, Ashton, ID, February 9, 2017.
- Duellman, K. and Woodhall, J. 2017. Why IGSA should consider sponsoring a spore trap. IGSA Board Meeting, Idaho Falls, ID, February 8, 2017.
- Duellman, K. 2017. Diagnostics and Management of Bacterial Diseases of Potato. Idaho Potato Conference, Pocatello, ID, January 19, 2017.
- Duellman, K. 2017. Management of Foliar Potato Diseases. Idaho Potato Conference, Pocatello, ID, January 18, 2017.
- Duellman, K. 2017. Management of Tuber-borne Potato Diseases. Idaho Potato Conference, Pocatello, ID, January 18, 2017.
- Duellman, K. 2016. Seed Potato Program Update and Seed Piece Efficacy Trials. Pest Advisory Group Meeting, Aberdeen, ID, December 6, 2016.
- Duellman, K. 2016. Seed Potato Program Update and Rhizoctonia seed piece treatment efficacy trial. Idaho Association of Plant Protection, Jerome, ID, November 2, 2016.
- Duellman, K. 2016. Seed Potato Program Update and Fusarium dry rot. ICIA Combined Area Meeting, Idaho Falls, ID, October 27, 2016.
- Duellman, K.M. 2016. Systemic approach to plant disease diagnosis. UofI Extension In-Service Training, Twin Falls, ID, July 12, 2016.
- Duellman, K.M. and Clark, S. 2016. Use of Variable-sized whole tubers with variable in-row spacing for seed production. BYU-Idaho Field Day, Rexburg, ID, July 8, 2016.
- Kinzer, K.M. 2014 October. How to Submit a Quality Sample. NDSU Extension Conference. Fargo, ND.
- Kinzer, K.M. 2014 Summer. Detecting the bacterial ring rot pathogen in potatoes. Workshop. North Dakota State University, Fargo, ND (workshop organizer and presenter)
- Kinzer, K.M. Spring 2014. Detecting the bacterial ring rot pathogen in potatoes. Workshop. North Dakota State University, Fargo, ND (workshop organizer and presenter)
- Kinzer, K.M. 2013. Detecting the bacterial ring rot pathogen in potatoes. Workshop. North Dakota State University, Fargo, ND (workshop organizer and presenter)
- Kinzer, K.M. 2013 October. Master Gardener Training: "Vegetable Diseases and Pests"
- Kinzer, K.M. 2013 October. Webinar: "Diagnosing Plant Problems"
- Kinzer, K.M. 2013 January. Richland County Extension: "Soybean Charcoal Rot"
- Kinzer, K.M. 2013 January. Richland County Extension: "Goss's Wilt of Corn"
- Kinzer, K.M. 2012 October. Master Gardener Training: "Diagnosing Plant Problems, with Kasia and Ron"
- Kinzer, K.M. 2012 July. Burleigh County Extension Horticulture Power Hour
- Kinzer, K.M. 2012 April. Spring Extension Support Conference: "How to Submit Samples Using PDIS"
- Kinzer, K.M. 2012 March. Otter Tail County Garden Day: "Diseases of Perennials"
- Kinzer, K.M. 2012 March. Clay County Garden Day: "Diagnosing Tree Problems"
- Kinzer, K.M. 2012 March. Clay County Garden Day: "Diseases of Vegetables"
- Kinzer, K.M. 2012 February. Dakota Grown Local Foods Conference: "Diseases of Vegetables"
- Kinzer, K.M. 2012 January. Advanced Master Gardener Training: "Spruce Tree Diagnosis"
- Kinzer, K.M. 2012 January. Extension Agent Training: "Spruce Tree Diagnosis"
- Kinzer, K.M. 2011 April. Grand Forks County Extension, Gardening Saturday: "Common Diseases in the Landscape and Garden"
- Kinzer, K.M. 2010 October. Master Gardener Training: "How to Diagnose Plant Problems"
- Kinzer, K.M. 2010 March. Grand Forks County Garden Day: "Identifying Common Disease Problems in the Garden"
- Kinzer, K.M. 2010 March. Clay County Garden Day: "Identifying Common Disease Problems in the Garden"
- Kinzer, K.M. 2009 September. North Dakota Grape Growers Association: "Grape Diseases in North Dakota"
- Kinzer, K.M. 2009 July. Carrington Research and Extension Center Field Day – Plant Disease Diagnostic Clinic

Kinzer, K.M. 2009 July. Burleigh County Extension Horticulture club
 Kinzer, K.M., and Olson, J. 2009. Hands-on virus/RNA extraction workshop. Great Plains Diagnostic Network Annual Meeting, Fargo, ND, January 2009. (workshop co-coordinator and presenter)
 Kinzer, K.M. 2008 May. Burleigh County Extension Horticulture club
 Kinzer, K.M. 2008 March. Cass County “Garden Saturday”
 Kinzer, K.M. 2008 March. Richland County “Garden Saturday”
 Kinzer, K.M. 2008 February. Clay County “Garden Saturday”
 Kinzer, K.M. 2007 May. Burleigh County Extension Horticulture club
 Kinzer, K.M. 2005 February. Fargo Garden Club
 Kinzer, K.M. 2005-2014. Extension Spring and Fall Conferences, North Dakota State University – presenter for at least one session during spring or fall extension conferences
 Kinzer, K.M. 2005-2014. Teleconference/Distance Learning training – offered periodic training for use of PDIS (a database for diagnostic sample submission and management) via teleconference and web interface for individuals and small groups who work in extension
 Kinzer, K.M. 2006-2014. Eastern North Dakota Crop Scout School – hands-on presenter for lab portion of annual crop scout training (9 instances)

Teaching Honors and Awards:

Thomas, Jason, K. Duellman, National Association of County Agricultural Agents, Education Video Recording Award National Winner, 2021.
 Meronuck, R., Duellman, K., Kinkel, L., Wright, J., Rehms, G. and Wiens, M. American Society of Agricultural Engineers Blue Ribbon Award, Educational Aids Competition, Publications: Circulars, 2000.

SCHOLARSHIP ACCOMPLISHMENTS:

Note: Authorship for **K.M. Duellman** is also listed under **K. Duellman**, **K.M. Kinzer**, **K. Kinzer**, or **K.M. Duellman-Kinzer**.

Description of personal contributions:

- a. Graduate work
- * Corresponding author
- ** Co-first author
- † Mentee
- 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/Adjudicated: (i.e. books, book chaps., journals, proc., abstr., etc.; provide citations-author, date, title, publisher)

Journals:

Duellman, K.M.*, Whitworth, J., Lent, M.A., Bertram, M.C., and Randall, J.C. *Published online ahead of print 19 June 2022*. Mechanical transmission of *Potato virus Y* by seed cutting is not a contributing factor to increased virus in field production. Plant Health Progress. <https://doi.org/10.1094/PHP-02-22-0011-RS> (1, 2, 3, 4, 5, 6)

Woodhall, J.W. Brown, L., Harrington, M., Murdock, M., Pizolotto, C.A., Wharton, P.S., and Duellman, K. 2022. Anastomosis groups of *Rhizoctonia solani* and binucleate *Rhizoctonia* associated with potatoes in Idaho. Plant Disease 106:3127-3132. <https://doi.org/10.1094/PDIS-12-21-2683-RE> (2, 3)

Clare, S.J.** , Duellman, K.M.^{a,**}, Richards, J.K., Poudel, R.S., Friesen, T.L., and Brueggeman, R.S. *Published online ahead of print 9 April 2022*. Association mapping reveals a reciprocal virulence/avirulence locus within diverse US *Pyrenophora teres* f.

- maculata* isolates. BMC Genomics 23:285. <https://doi.org/10.1186/s12864-022-08529-1> (a, 1, 2, 3, 4, 5)
- Duellman, K.M.*, Price, W.J., Lent, M.A., Christian, C.L†., Bertram, M.C., and Nolte, P. 2021. Fungicide Seed Treatment Improves Performance of Single-Drop Whole and Cut Seed Potatoes. American Journal of Potato Research 98:315-327. <https://doi.org/10.1007/s12230-021-09845-0> (1, 2, 3, 4, 5, 6)
- Butte, S., Vakanski, A., Duellman, K., Wang, H., and Mirkouei, A. 2021. Potato Crop Stress Identification in Aerial Images using Deep Learning-based Object Detection. Agronomy Journal 113:3991-4002. <https://doi.org/10.1002/agj2.20841> (1, 2, 5)
- Duellman, K.M.*, Lent, M.A., Brown, L., Harrington, S., and Woodhall, J.W. 2021. First report of rubbery rot of potato caused by *Geotrichum candidum* in the United States. Plant Disease 105:1206. <https://doi.org/10.1094/PDIS-08-20-1815-PDN> (2, 3, 5, 6)
- Woodhall, J.W., Brown, L., Harrington, M., Olsen, N., Miller, J. and Duellman, K.M.* 2020. *Sclerotinia sclerotiorum* causes decay and forms sclerotia in potato tubers in Idaho. Plant Health Progress 21:335-337. <https://doi.org/10.1094/PHP-04-20-0032-RS> (2, 3, 4, 5, 6)
- Whitworth, J., Selstedt, R.A., Westra, A., Nolte, P., Duellman, K.M., Yellareddygar, S.K.R., and Gudmestad, N.C. 2019. Symptom expression of mainstream and specialty potato cultivars to bacterial ring rot (*Clavibacter michiganensis* subsp. *sepedonicus*) and evaluation of in-field detection. American Journal of Potato Research 96:427-444. <https://doi.org/10.1007/s12230-019-09730-x> (2, 3)
- Murdock, M.R., Woodhall, J.W., Maggard, R., Keith, S., Harrington, M., Oropeza, A., Stokes, B., Duellman, K.M.* 2019. First report of *Rhizoctonia solani* AG 2-1 causing stem canker of potato (*Solanum tuberosum*) in Idaho. Plant Disease 103:2130. <https://doi.org/10.1094/PDIS-02-19-0364-PDN> (3, 5, 6)
- Duellman, K.M.*, Mathew, F.M., Markell, S.G., and Castlebury, L.A. 2019. *Diaporthe gulyae*: The new pathogen on cultivated common buckwheat (*Fagopyrum esculentum*). Plant Health Progress 20:70-72. (1, 2, 3, 4, 5, 6)
- Mueller, D.S., Wise, K.A., Sisson, A.J., Allen, T.W., Bergstrom, G.C., Bosley, D.B., Bradley, C.A., Broders, K.D., Byamukama, E., Chilvers, M.I., Collins, A., Faske, Friskop, A.J., R.R., Heiniger, R.W., Hollier, C.A., Hooker, D.C., Isakeit, T., Jackson-Ziems, T.A., Jardine, D.J., Kinzer, K., Koenning, S.R., Malvick, D.K., McMullen, M., Meyer, R.R., Paul, P.A., Robertson, A.E., Roth, G.W., Smith, D.L., Tande, C.A., Tenuta, A.U., Vincelli, P., Warner, F. 2016. Corn Yield Loss Estimates Due to Diseases in the United States and Ontario, Canada from 2012 to 2015. Plant Health Progress 17:211-222. (3)
- Ransom, J., Kinzer, K., McMullen, M., Mostrom, M., Mutukwa, T., Friskop, A. 2016. Prevalence of mycotoxins in late-season corn ear molds in North Dakota. American Journal of Plant Sciences, 7:709-714. (1, 2, 3, 4, 5)
- Marshall, J.M., Kinzer, K.^a, and Brueggeman, R.S. 2015. First Report of *Pyrenophora teres* f. *maculata* the Cause of Spot Form Net Blotch of Barley in Idaho. Plant Disease 99:1860. (1, 2, 3, 4, 5, 6)
- LeBoldus, J.M., Kinzer, K., Ya, Z., Yan C., Friesen, T. L., and Brueggeman, R. 2015. Genotype-by-sequencing of the plant pathogenic fungi *Pyrenophora teres* and *Sphaerulina musiva* utilizing Ion Torrent sequence technology. Molecular Plant Pathology 16(6):623-32. (3, 4, 5)
- Friskop, A., Kinzer, K., McConnell, M., and Liu, Z. Submitted 2014. First Report of Goss's Wilt and Leaf Blight (*Clavibacter michiganensis* subsp. *nebraskensis*) of Corn in North

Dakota. Plant Disease 98:1739. (2, 3)

LeBoldus, J.M, Zhang, Q., and Kinzer, K. 2012. First report of dollar spot caused by *Sclerotinia homoeocarpa* on *Agrostis stolonifera* in North Dakota. Plant Disease 96:1071. <http://dx.doi.org/10.1094/PDIS-03-12-0278-PDN>. (1, 2, 3)

Mathew, F. M., Lamppa, R. S., Chittam, K., Chang, Y. W., Botschner, M., Kinzer, K., Goswami, R. S., and Markell, S. G. 2012. Characterization and pathogenicity of *Rhizoctonia solani* isolates affecting *Pisum sativum* in North Dakota. Plant Dis. 96:666-672. (2, 3)

Gulya, T., Mengistu, A., Kinzer, K., Balbyshev, N., and Markell, S. 2010. First report of charcoal rot of sunflower in Minnesota, USA. Online. Plant Health Progress doi:10.1094/PHP-2010-0707-02-BR. (2, 3)

Burrows, M., Franc, G., Rush, C., Blunt, T., Ito, D., Kinzer, K., Olson, J., O'Mara, J., Price, J., Tande, C., Ziems, A. and Stack, J. 2009. Occurrence of viruses in wheat in the Great Plains region, 2008. Online. Plant Health Progress doi:10.1094/PHP-2009-0706-01-RS. (2, 3)

Gudmestad, N.C., Mallik, I., Pasche, J. S., Anderson, N.R., and Kinzer, K. 2009. A Real-Time PCR Assay for the Detection of *Clavibacter michiganensis* subsp. *sepedonicus* based on the Cellulase A Gene Sequence. Plant Disease 93: 649-659. (2, 3)

Extension Publications:

Bulletins/Pacific Northwest (PNW) Publications:

Duellman, K. 2023. IPM Pest Profiles: Integrated Pest Management of Fusarium Dry Rot in Potato. University of Idaho Extension (BUL 1052).

Duellman, K., Olsen, N., Glaze, B., Chahine, M., and Hutchinson, P.J.S. *Accepted 2023*. Cull and waste potato management. University of Idaho Extension BUL XXXX (updated and revised, CIS 814).

Duellman, K., Wharton, P. and Woodhall, J. *Accepted pending revision 17 March 2022*. Common scab of potato. University of Idaho Extension.

Cumagun, C. J., Duellman, K.M., and Woodhall, J.W. 2022. Help protect the famous Idaho potato: Watch for late blight in your home garden. University of Idaho Extension BUL 1022.

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Peer Reviewed/Evaluated:

Book Chapters:

Nolte, P., Miller, J., Duellman, K., Gevens, A.J. and Banks, E. 2020. Chapter 9: Disease Management. *In: Potato Production Systems*, Springer Nature Switzerland AG, Switzerland. Pages 203-258.

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Woodhall, J.W., Oropeza, A. Fairchild, K.L., Malek, A., Duellman, K.M., and Wharton, P.S. 2018. A spore sampling network for early detection of foliar potato diseases. 102nd Annual Meeting of the Potato Association of America, Boise ID. *Am J Potato Res.* 96:359 (Poster).

Bertram, M.C., Lent, M.A., Rashed, A., and Duellman, K.M. 2018. Efficacy of combined crop oil and insecticide applications on in-season movement of PVY in southeast Idaho. 102nd Annual Meeting of the Potato Association of America, Boise ID. *Am J Potato Res.* 96:319 (Poster).

Duellman, K.M. and Marshall, J.M. 2018. Importance of Potato Volunteers as PVY Reservoirs in Idaho, 2018. 102nd Annual Meeting of the Potato Association of America, Boise ID. *Am J Potato Res.* 96:330 (Poster).

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Duellman, K., Bertram, M., and Lent, M. 2020. Use of fungicide seed and in-furrow fungicide treatments to suppress Rhizoctonia canker and black scurf on potato, Bingham County, ID, 2018. Plant Disease Management Reports 14:V186. <https://doi.org/10.1094/PDMR14>

Duellman, K., Bertram, M., and Lent, M. 2020. Efficacy of chemicals in suppressing Rhizoctonia canker and black scurf on potato, Bingham County, ID, 2017. Plant Disease Management Reports 14:V185. <https://doi.org/10.1094/PDMR14>

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Duellman, K., Bertram, M., and Lent, M. 2019. Efficacy of various products against Fusarium dry rot and seed piece decay, Bingham County, ID, 2018. Plant Disease Management Reports 13:V136. <https://doi.org/10.1094/PDMR13>

Duellman, K., Lent, M., and Bertram, M. 2018. Efficacy of chemicals against Fusarium dry rot and seed piece decay, Bingham County, ID, 2017. Plant Disease Management Reports 12:ST006. <https://doi.org/10.1094/PDMR12>

Duellman, K., Bertram M., and Lent, M. 2017. Efficacy of chemicals against Fusarium dry rot and seed piece decay, Bingham County, ID, 2016. Plant Disease Management Reports 11:V138. <https://doi.org/10.1094/PDMR11>

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Plant Disease Management Reports 11:V126. <https://doi.org/10.1094/PDMR11>

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Duellman Kinzer, K.M. 2015. Characterizing *Pyrenophora teres* f. *maculata* in the Northern United States and Impact of Spot Form Net Blotch on Yield of Barley. North Dakota State University, Ph.D. Dissertation. 181 pp.

Duellman, K.M. 1996. Use of water inputs to forecast white mold on dry edible bean. University of Minnesota, M.S. Thesis. 64 pp.

Refereed/Adjudicated (currently scheduled or submitted):

Peer Reviewed/Evaluated (currently scheduled or submitted):

Presentations and Other Creative Activities:

Professional Meeting Papers, Workshops, Showings, Recitals: (provide date and location)

Patents: (provide title/description, patent number and date)

Grants and Contracts Awarded: Grand Total: \$7,684,808 (Spending Authority: \$1,315,540)

FY2024 – total amount: \$253,635 (\$90,621)

Principal Investigator: Phillip Wharton; Co-investigators: James Woodhall, Kasia Duellman.

Sustainable alternatives to fumigation for managing potato early die. Idaho Specialty Crop Block Grant, 1 October 2023 through 30 September 2025; \$145,027 (\$21,413)

Principal Investigator: James Woodhall; Co-investigators: Kasia Duellman. A network of spore samplers and disease modelling as an early warning detection system for foliar potato pathogens. IPC, 1 August 2023 through 31 July 2024; \$25,000 (\$2,000)

Principal Investigator: Kasia Duellman; Co-investigators: James Woodhall, Justin Hatch, Erik Wenninger, Alan Westra, Andy Jensen. Refining an Idaho aphid monitoring network for managing PVY risk – YEAR 5. IPC, 1 August 2023 through 31 July 2024; \$18,608 (\$17,208)

Principal Investigator: Kasia Duellman. Seed Potato Quality Improvement. IPC, 1 August 2023 through 31 July 2024; \$35,000 (\$35,000)

Principal Investigator: Nora Olsen; Co-investigator: Kasia Duellman. Extension Potato Specialists. IPC, 1 August 2023 through 31 July 2024; \$30,000 (\$15,000)

FY2023 – total amount: \$409,954 (\$219,918)

Principal Investigator: Kasia Duellman; Co-investigators: James Woodhall, Pamela J.S. Hutchinson.

Crop Protection and Integrated Pest Management Training for Potato Production Post-Covid. Idaho Specialty Crop Block Grant HR133, 1 October 2022 through 30 September 2024; \$125,000 (\$120,694)

Principal Investigator: James Woodhall; Co-investigators: Brenda Schroeder, Kasia Duellman.

Developing optimum management strategies for bacterial rot diseases of potato. Idaho Specialty Crop Block Grant, 1 October 2022 through 30 September 2024; \$144,617 (\$31,298)

Principal Investigator: James Woodhall; Co-investigators: Kasia Duellman. A network of spore samplers and disease modelling as an early warning detection system for foliar potato pathogens. NPRC, 1 August 2022 through 31 July 2023; \$25,000 (\$2,000)

Principal Investigator: Pamela J.S. Hutchinson; Co-investigators: Kasia Duellman, Phillip Wharton. Potato vine kill speed and tuber maturity at application time: Impact on bruise and risk for subsequent development of fusarium dry rot, pink rot, and pythium leak. NPRC, 1 August 2022 through 31 July 2023; \$21,000 (\$0)

Principal Investigator: Kasia Duellman; Co-investigators: James Woodhall, Justin Hatch, Erik Wenninger, Alan Westra, Andy Jensen. Refining an Idaho aphid monitoring network for managing PVY risk. IPC, 1 August 2022 through 31 July 2023; \$29,337 (\$15,926)

Principal Investigator: Kasia Duellman. Seed Potato Quality Improvement. IPC, 1 August 2022 through 31 July 2023; \$35,000 (\$35,000)

Principal Investigator: Nora Olsen; Co-investigator: Kasia Duellman. Extension Potato Specialists. IPC, 1 August 2022 through 31 July 2023; \$30,000 (\$15,000)

FY2022 – total amount: \$1,038,627 (\$175,738)

Principal Investigator: Arash Rashed; Co-Project Directors: Mark Schwarzländer, Juliet Marshall, Justin Clements, Pamela Hutchinson, Ronda Hirnyck; Key Personnel: Sanford Eigenbrode, Stephen Love, Erik Wenninger, James Woodhall, Kasia Duellman, Jerry Neufeld, Andres West, Kimberly Tate, Jason Thomas, Bradley Stokes, Nav Ghimire: Extension Implementation Plan for IPM in Idaho 2021-2024. USDA-NIFA, 1 October 2021 through 30 September 2024; \$807,690 (\$28,981)

Principal Investigator: James Woodhall; Co-investigators: Ken Frost, David Wheeler, Kasia Duellman, Tim Waters, Lindsey du Toit. A network of spore samplers and disease modelling as an early warning detection system for foliar potato pathogens. NPRC, 1 July 2021 through 31 July 2022; \$40,708 (\$8,000)

Principal Investigator: Kasia Duellman; Co-investigator: Christy Christian. Relationship between in vitro fungicide resistance of Fusarium dry rot pathogens and disease control of Fusarium dry rot in vivo and in the field. NPRC, 1 August 2021 through 31 July 2022; \$30,199 (\$30,199)

Principal Investigator: Kasia Duellman; Co-investigators: James Woodhall, Justin Hatch, Erik Wenninger, Alan Westra, Andy Jensen. Refining an Idaho aphid monitoring network for managing PVY risk. IPC, 1 August 2021 through 31 July 2022; \$32,868 (\$18,968)

Principal Investigator: Pamela J.S. Hutchinson; Co-investigator: Kasia Duellman, Phillip Wharton. Potato vine kill speed and tuber maturity at application time: Impact on bruise and risk for subsequent development of fusarium dry rot, pink rot, and pythium leak. IPC, 1 August 2021 through 31 July 2022; \$30,162 (\$7,590)

Principal Investigator: Kasia Duellman. Seed Potato Quality Improvement. IPC, 1 August 2021 through 31 July 2022; \$35,000 (\$35,000)

Principal Investigator: Nora Olsen; Co-investigator: Kasia Duellman. Extension Potato Specialists. IPC, 1 August 2021 through 31 July 2022; \$30,000 (\$15,000)

FY2021 – total amount: \$4,229,803 (\$183,505)

Principal Investigator: Alex Karasev; Co-investigators: Kasia Duellman, Joseph C. Kuhl, Christopher S. McIntosh, Nora Olsen, Erik J. Wenninger. SCRI Necrotic Viruses. USDA-NIFA SCRI, 1 October 2020 through 30 September 2024; \$4,029,410 (\$47,562).

Principal Investigator: Kasia Duellman; Co-investigator: Christy Christian. Relationship between in vitro fungicide resistance of Fusarium dry rot pathogens and disease control of Fusarium dry rot in vivo and in the field. NPRC, 1 August 2020 through 31 July 2021; \$28,885 (\$28,885)

Principal Investigator: James Woodhall; Co-investigators: Phillip Wharton, Kasia Duellman, Tim Waters, Lindsey du Toit. A network of spore samplers as an early warning detection system for foliar potato pathogens. NPRC, 1 August 2020 through 31 July 2021; \$39,780 (\$4,230)

Principal Investigator: Kasia Duellman; Co-investigators: James Woodhall, Justin Hatch, Erik Wenninger, Alan Westra, Andy Jensen. Refining an Idaho aphid monitoring network for managing PVY risk. IPC, 1 August 2020 through 31 July 2021; \$33,728 (\$19,828)

Principal Investigator: Kasia Duellman. Seed Potato Quality Improvement. IPC, 1 August 2020 through 31 July 2021; \$35,000 (\$35,000)

Principal Investigator: Nora Olsen; Co-investigator: Kasia Duellman. Extension Potato Specialists. IPC, 1 August 2020 through 31 July 2021; \$30,000 (\$15,000)

FY2020 – total amount: \$286,424 (\$184,823)

Principal Investigator: Kasia Duellman; Co-investigator: Jonathan Whitworth. PVY Management. USDA-ARS NACA Agreement, 1 September 2019 through 25 March 2021; \$18,050 (\$18,050)

Principal Investigator: Alex Karasev; Co-investigators: Kasia Duellman, Chris Benedict, Debra Inglis. Monitoring the PVY strain composition in seed potato in the PNW. NPRC, 1 August 2019 through 31 July 2020; \$39,151 (\$7,410)

Principal Investigator: James Woodhall; Co-investigators: Phillip Wharton, Kasia Duellman, Tim Waters. A network of spore samplers as an early warning detection system for foliar potato pathogens. NPRC, 1 July 2019 through 31 July 2020; \$30,000 (\$4,000)

Principal Investigator: Kasia Duellman; Co-investigators: Phillip Wharton, James Woodhall, Kenneth Frost, Donald McMoran. Characterizing Fusarium species associated with and refining

management of potato dry rot in the Pacific Northwest. NPRC, 1 August 2019 through 31 July 2020; \$40,906 (\$23,146)

Principal Investigator: Kasia Duellman; Co-investigators: James Woodhall, Jason Thomas, Justin Hatch, Erik Wenninger, Alan Westra, Andy Jensen. Refining an Idaho aphid monitoring network for managing PVY risk. IPC, 1 August 2019 through 31 July 2020; \$39,317 (\$28,217)

Principal Investigator: Kasia Duellman. Seed Potato Quality Improvement. IPC, 1 August 2019 through 31 July 2020; \$35,000 (\$35,000)

Principal Investigator: Nora Olsen; Co-investigator: Kasia Duellman. Extension Potato Specialists. IPC, 1 August 2019 through 31 July 2020; \$30,000 (\$15,000)

FY2019 – total amount: \$378,797 (\$99,542)

Principal Investigator: James Woodhall; Co-investigators: Phillip Wharton, Kasia Duellman.

Developing and deploying advanced detection methods for bacterial ring rot of potatoes. Idaho Specialty Crop Block Grant, 1 October 2018 through 30 September 2021; \$141,348 (\$7,047)

Principal Investigator: Kasia Duellman; Co-investigators: Phillip Wharton, James Woodhall, Kenneth Frost, Debra Inglis, Donald McMoran. Characterizing Fusarium species associated with and refining management of potato dry rot in the Pacific Northwest. NPRC, 1 August 2018 through 31 July 2019; \$35,820 (\$20,620)

Principal Investigator: Alex Karasev; Co-investigators: Kasia Duellman, Chris Benedict, Debra Inglis. Monitoring the PVY strain composition in seed potato in the PNW. NPRC, 1 August 2018 through 31 July 2019; \$34,826 (\$9,600)

Principal Investigator: Alex Karasev; Co-investigators: Kasia Duellman, Kenneth Frost. Tools to sample tubers and detect tuber necrotic viruses in the PNW. NPRC, 1 August 2018 through 31 July 2019; \$32,623 (\$4,038)

Principal Investigator: Erik Wenninger; Co-investigators: Nora Olsen, James Woodhall, Kasia Duellman, Alex Karasev. Monitoring the incidence, distribution, and abundance of potato psyllid, *Liberibacter*, and zebra chip (ZC) disease in Idaho; NPRC, 1 July 2018 through 30 June 2019; \$39,680 (\$10,532)

Principal Investigator: James Woodhall; Co-investigators: Phillip Wharton, Kasia Duellman. A network of spore samplers as an early warning detection system for foliar potato pathogens. NPRC, 1 July 2018 through 31 July 2019; \$29,500 (\$4,820)

Principal Investigator: Kasia Duellman. Seed Potato Quality Improvement. IPC, 1 August 2018 through 31 July 2019; \$35,000 (\$35,000)

Principal Investigator: Nora Olsen; Co-investigator: Kasia Duellman. Extension Potato Specialists. IPC, 1 August 2018 through 31 July 2019; \$30,000 (\$15,000)

FY2018 – total amount: \$680,173 (\$132,016)

Principal Investigator: Christopher McIntosh; Co-investigators: Kasia Duellman. Integrating next-generation technologies for management of bacterial soft rot pathogens of potato. USDA-NIFA, 1 October 2017 through 30 September 2021 (extended to 30 September 2022); \$247,073 (\$10,688)

Principal Investigator: Phillip Wharton; Co-investigators: James Woodhall, Kasia Duellman. Early warning systems for detection of foliar potato pathogens using spore sampling and weather data. ISDA Specialty Crop Block Grant, 1 October 2017 through 30 September 2019; \$198,925 (\$0)

Principal Investigator: Kasia Duellman; Co-investigators: Phillip Wharton, James Woodhall, Kenneth Frost, Debra Inglis, Donald McMoran. Characterizing Fusarium species associated with and refining management of potato dry rot in the Pacific Northwest. NPRC, 1 August 2017 through 31 July 2018; \$38,380 (\$20,620)

Principal Investigator: Alex Karasev; Co-investigators: Kasia Duellman. Validation of the tools to detect PMTV and TRV in the PNW. NPRC, 1 August 2017 through 31 July 2020; \$23,790 (\$3,354)

Principal Investigator: Alex Karasev; Co-investigators: Kasia Duellman, Debra Inglis, Chris Benedict. Monitoring the PVY strain composition in seed potato in the PNW. NPRC, 1 August 2017 through 31 July 2020; \$20,025 (\$7,000)

Principal Investigator: Erik Wenninger; Co-investigators: Alex Karasev, Nora Olsen, James Woodhall, Kasia Duellman. Monitoring the incidence, distribution, and abundance of potato psyllid, *liberibacter*, and zebra chip (ZC) disease in Idaho; NPRC, 1 August 2017 through 31 July 2018; \$42,480 (\$10,354)

Principal Investigator: James Woodhall; Co-investigators: Phillip Wharton, Kasia Duellman.
Developing methods for an early warning detection system for foliar potato pathogens. NPRC, 1 August 2017 through 31 July 2018; \$16,500 (\$2,000)
Principal Investigator: Kasia Duellman. Seed Potato Quality Improvement. IPC, 1 August 2017 through 31 July 2018; \$35,000 (\$35,000)
Principal Investigator: Nora Olsen; Co-investigator: Kasia Duellman. Extension Potato Specialists. IPC, 1 August 2017 through 31 July 2018; \$30,000 (\$15,000)

FY2017 – total amount: \$296,395 (\$111,252)

Principal Investigator: Jonathan Whitworth; Co-investigators: Neil C. Gudmestad, Jeff Stark, Alan Westra, Kasia Kinzer. Bacterial rot of potato (*Clavibacter michiganensis* subsp. *sepedonicus*) expression in advanced breeding lines and specialty varieties and development of pre-harvest detection methods. USDA-ARS, 15 April 2016 through 30 June 2018; \$84,455 (\$24,500)
Principal Investigator: Erik Wenninger; Co-Investigators: Nora Olsen, James Woodhall, Kasia Kinzer, Alex Karasev, and Jeff Miller. Monitoring the incidence, distribution, and abundance of potato psyllid, *Liberibacter*, and zebra chip (ZC) disease in Idaho. Northwest Potato Research Consortium, 1 July 2015 – 31 July 2016; \$64,630 (\$10,252).
Principal Investigator: Alex Karasev; Co-Investigator: Kasia Kinzer. Survey of PVY strain types in PNW potato. Northwest Potato Research Consortium, 1 July 2015 – 31 July 2016; \$40,000 (\$9,600).
Principal Investigator: Alex Karasev; Co-Investigators: Ken Frost, Kasia Kinzer. Addressing New Threats in the Pacific Northwest (PMTV). Northwest Potato Research Consortium, 1 July 2015 – 31 July 2016; \$29,560 (\$4,160).
Principal Investigator: Kasia Kinzer. Seed Potato Quality Improvement. Idaho Potato Commission, 1 July 2015-31 July 2016; \$35,000 (\$35,000).
Principal Investigator: Nora Olsen; Co-investigator: Kasia Kinzer. Extension Potato Specialists. Idaho Potato Commission, 1 July 2015 – 31 July 2016; \$30,000 (\$15,000)

Honors and Awards:

2023 Early Career Award, American Phytopathological Society – Pacific Division
2016 Clen P. and Emma L. Atchley Endowment
1994 Carolyn M. Crosby Fellowship

SERVICE:

Major Committee Assignments: (National, State, District, County, University, College, Departmental and dates)

National/International:

2020-2022, **Chair**, Potato Association of America: Extension, Production, and Management Section (**Vice-Chair**: 2019-2020, **Secretary**: 2018-2019; member since 2016)
2020-2021, **Chair**, WERA89: Potato Virus and Virus-Like Disease Management Committee (**Vice-Chair**: 2019-2020; **Secretary**: 2018-2019; member since 2016)
2018-2019, **Chair**, American Phytopathological Society: Extension Committee (**Secretary**: 2017-2018; member since 2016)
2018-2019, **Chair**, Potato Association of America: Plant Protection Section (**Secretary**: 2017-2018; member since 2016)
2016-present, Member, American Phytopathological Society: Integrated Plant Disease Management Committee
2016-present, Member, American Phytopathological Society: Plant Pathogen and Disease Detection Committee
2014-present, Member, Potato Association of America: Seed Certification Section

State:

2020-present, **Co-Treasurer**, Idaho Association of Plant Protection (member since 2016)
2016-present, Advisory Member, Idaho Crop Improvement Association, Potato Advisory Committee

University:

2022-2024, 2017-2019, **Co-chair**, Annual Idaho Potato Conference Organizational Committee

2018-2021, University Multi-campus Communications committee, Alternate
 2018, Seed Potato Quality Task Force (Chair: Mark McGuire), member

College (CALS):

2022, Search and Screen Committee for EPPN Department head (Chair: B. Petty), member
 2016-2017, Search and Screen Committee for Associate Director of Extension, member
 2017-present, FastTrack Sub-Editor and Reviewer

- Sub-Editor: 7
- Reviewer: 4

Department (Entomology, Plant Pathology and Nematology; Plant Sciences):

Search Committees:

2023, EPPN, **Chair**, Potato IPM Coordinator search committee
 2022-2023, EPPN, Extension Entomology (Parma) search committee (Chair: E. Lewis), member
 2022, EPPN, **Chair**, Research aide search committee
 2021-2022, EPPN, IPM Program Manager search committee (Chair: A. Rashed), member
 2019-2020, EPPN, **Chair**, Research Specialist search committee
 2019, EPPN, Research Support Scientist (Plant Diagnostician) search committee (Chair: J. Marshall), member

3rd Year/Promotion/Tenure Review Committees:

2022, EPPN, Third-Year Review for C. Hamilton (Chair: S. Eigenbrode), member
 2022, EPPN, Third-Year Review for M. Borowiec (Chair: S. Cook), member
 2017, EPPN, Promotion Committee for Louise-Marie Dandurand, member

Other EPPN Committees:

2021-present, EPPN, Awards Committee, member
 2017-2019, EPPN, Graduate Admissions/Support/Progress Committee, member

Committee memberships (prior to 2016):

National Plant Diagnostic Network Annual Meeting Sponsor and Exhibits Committee, member 2015-2016
 Great Plains Diagnostic Network Operations Committee, member 2011-2013
 North Dakota State University, Tree-Nursery-Turf Faculty Search committee, member 2010
Ad-hoc American Phytopathological Society Committee, provided input for a mobile APS plant pathology display, member 2006-2008
Ad-hoc Great Plains Diagnostic Network committee, organized the Annual GPDN meeting in Fargo ND, January 2009, Chair 2007-2009
Ad-hoc Great Plains Diagnostic Network committee, organized an RNA workshop in Fargo ND, January 2009, Co-chair 2008-2009

Professional and Scholarly Organizations

American Phytopathological Society (since 1993)

- Editorial Board – Plant Disease Notes **Assigning Editor**, 2019-2021, 2021-2024
- Extension Committee, **Chair**, 2018-2019
- Integrated Plant Disease Management Committee, member 2016-2019
- Plant Pathogen and Disease Detection Committee, member 2016-2019
- Biocontrol Committee, member, 2022-present

Potato Association of America (since 2013)

- Plant Protection Section, **Chair**, 2018-2019; member 2016-present
- Extension Production and Management Section, **Chair**, 2020-2021, 2021-2022; member 2016-present
- Seed Certification Section, member 2014-present

Idaho Association of Plant Protection (since 2016)

- Co-Treasurer (since 2020)

WERA89: Potato Virus and Virus-Like Disease Management (Multistate Research Coordinating

Committee and Information Exchange Group), member (since 2016)

- **Chair**, 2020-2021

American Society of Agronomy (since 2021)

Australasian Plant Pathology Society (since 2019)

European Association for Potato Research (since 2016)

American Association for the Advancement of Science (since 2010)

Editor/Reviewer service for Professional and Scholarly Organizations:

- Assigning Editor for Plant Disease Notes, Plant Disease journal, 2019-present: 582 original manuscripts
- Abstracts reviewed, 2017-present: 4
- Manuscripts reviewed for Plant Disease Management Reports, 2016-present: 38
- Manuscripts reviewed for American Journal of Potato Research, 2017-present: 8
- Manuscripts reviewed for Plant Disease journal, 2021-present: 3
- Manuscripts reviewed for Australasian Plant Pathology, 2019 to present: 2
- Manuscripts reviewed for European Journal of Plant Pathology, 2021-present: 2
- Manuscripts reviewed for Journal of Plant Pathology, 2021-present: 1
- Manuscripts reviewed for Journal of Plant Diseases and Protection, 2022-present: 1

Outreach Service: (Including popular press, interview articles, newspaper articles, workshops-seminars-tours organized, Extension impact statements)

Popular Press:

Duellman, K. 2023. Fungicide insanity. AgProud Idaho, April 2023, pp. 28-29.

<https://www.agproud.com/articles/57070-fungicide-insanity>

Duellman, K., Spear, R. Hatch, J. , Sagers, J. and Thomas, T. 2023. The 2023 Idaho Potato Conference. Potato Grower, January 2023, pp. 46.

Duellman, K. 2022. Border crops for Potato virus Y management in seed potato production. Potato Grower, December 2022, pp. 24-25.

Christian, C.L.† and Duellman, K.M. 2022. “Potato Fusarium dry rot pathogen diversity in the Pacific Northwest.” In: Potato Progress Volume 22, Number 2; 6 May 2022.

<https://nwpotatoresearch.com/archive/35-potato-progress-volume-22-number-2>

Duellman, K., and Miller, J. 2022. Combating Fusarium dry rot and seed decay. Spudman, March 2022 pp. 34-36

Duellman, K. 2022. Big or small? Using whole or cut seed for managing Fusarium dry rot. Potato Grower, March 2022 pp. 36-37.

Duellman, K., Miller, J. and Wharton, P. 2022. Keeping fungicides effective for managing Fusarium dry rot. Potato Country, March 2022 pp. 18-21.

Duellman, K. 2020. All or nothing at all? Fungicide seed piece treatments for cut and whole seed. Potato Country, November 2020 pp. 6-9.

Duellman, K. 2020. Discerning Customer: What to know when buying Idaho certified seed potatoes. Potato Grower, February 2020 pp. 38-39.

Duellman, K. 2020. What to know when buying Idaho-certified seed potatoes. Ag Proud Idaho, January 2020 pp. 41-42.

Duellman, K., Olsen, N., Hutchinson, P.J.S., and Woodhall, J. 2019. Now is the time to destroy cull potatoes. Potato Grower, published online May 14, 2019

<https://www.potatogrower.com/2019/05/now-is-the-time-to>

Duellman, K., and Karasev, A. 2019. Healthy Start: Does cutting seed potato tubers spread PVY from infected tubers to healthy ones? Potato Grower, May 2019, pp. 32-33.

<https://www.potatogrower.com/2019/05/healthy-starts>

Duellman, K. 2019. The best start: Which seed practices work best? Liquid vs. dust, whole vs. cut. Potato Grower, April 2019, pp. 28-29. <https://www.potatogrower.com/2019/03/the-best-start>.

Miller, J., Miller, T., Duellman, K., Olsen, N. 2019. Managing Fusarium Dry Rot. Potato Progress 19(5):1-8 (15 April 2019).

Duellman, K., McMoran, D., Inglis, D., and Frost, K. 2018. Managing Fusarium Dry Rot in Storage. Potato Progress 18(13):1-3 (14 September 2018).

- Duellman, K., and Wenninger, E. 2018. Aphids, mineral oils, and minimizing in-season spread of PVY in seed potatoes. *Spudman* (8)56:40-41.
- Duellman, K., McMoran, D., Inglis, D., and Frost, K. 2018. High and Dry: Managing Fusarium Dry Rot in Storage. *Potato Grower*, December Issue.
- Duellman, K., Gray, S., and Westra A. 2018. Casting a wide net: Minimizing in-season spread of PVY. *Potato Grower*, April Issue.
- Wharton, P. and Duellman, K. 2018. Early Start: Pre- and early-season control measures for potato diseases. *Potato Grower*, March Issue.
- Westra, A. and Kinzer, K. 2017. What it all means: Interpreting post-harvest test results. *Potato Grower*, February 2017, pp. 49-50. <https://www.potatogrower.com/2017/02/what-it-all-means>.
- Kinzer, K. and Westra, A. 2017. Shopping List: Seed Potato Purchasing Guidelines. *Potato Grower*, January 2017, pp. 74-75. <http://read.uberflip.com/i/765975-january-2017/73?>
- Kinzer, K., and Wharton, P. 2016. "Be aware of lenticular soft rot and how to minimize it in potatoes." In: *Potato Progress*, Volume XVI, Number 13; 23 September 2016.
- Miller, J., Wharton, P., Kinzer, K. and Olsen, N. 2016. "Preparing for late blight in Idaho." In: *Potato Grower* (online), July 29 and In: *Potato Progress*, Volume XVI, Number 10; 15 July
- Wharton, P.S., Woodhall, J.W., and Kinzer, K. 2016. "Potato late blight control recommendations for southern Idaho in 2016." In: *Potato Progress*, Volume XVI, Number 7; 8 June 2016.
- Wharton, P. and Kinzer, K. 2016. "Pre- and early season control measures for Late Blight." In: *Potato Progress*, Volume XVI, Number 4; 28 April 2016.

Newspaper Articles:

- Ellis, L. and Duellman, K. 2021. Living off the land: It's hard to beat a fresh, homegrown potato. *Farm and Ranch*, 18 May 2021. https://www.postregister.com/farmandranch/columnists/living_off_the_land/living-off-the-land-it-s-hard-to-beat-a-fresh-homegrown-potato/article_aa04784a-0430-5a21-b380-6e6aa5ad27fe.html

Interview Articles and Media Presentations:

- O'Connell, John. 2023. UI promotes website for farmers. *The Lewiston Tribune*, April 11, 2023. https://www.lmtribune.com/northwest/ui-promotes-website-for-farmers/article_1897fd02-d31f-5c71-a3a3-eb3b8ebb44fd.html?utm_medium=social&utm_source=email&utm_campaign=user-share
- Robinson, Ashley. 2023. A New Disease Called Rubbery Rot is Lurking in Potato Storages. *SpudSmart*. January 9, 2023. <https://spudsmart.com/a-new-disease-called-rubbery-rot-is-lurking-in-potato-storages/>
- Sokol, Terra. 2023. The University of Idaho warning growers about ring rot. *Pacific Northwest Ag Network*. January 26, 2023. <https://pnwag.net/the-university-of-idaho-warning-growers-about-ring-rot/>
- Sparks, David. 2023. Ring Rot Discovery. *Idaho Ag Today*. January 23, 2023. <https://www.aginfo.net/report/55262/Idaho-Ag-Today/Ring-Rot-discovery>
- New UI Extension bulletin focuses on devastating potato disease, bacterial ring rot. *Spudman*, 2 November 2022. (Interview) https://spudman.com/news/new-ui-extension-bulletin-focuses-on-devastating-potato-disease-bacterial-ring-rot/?oly_enc_id=2571J8163245B1V (picked up from an interview by John O'Connell, University of Idaho)
- O'Connell, J. 2019. Southeast Idaho research targets potato disease. *Post Register Farm & Ranch*, 112 July 2019, front page. (Interview) https://www.postregister.com/farmandranch/crops/southeast-idaho-research-targets-potato-disease/article_9625c5c6-d684-5e8b-8ca8-e4469ba5c627.html
- The Potato Podcast 12: Aphid Monitoring. *The Potato Podcast* by Potato Country Magazine. April 16, 2019. <https://potatocountry.com/2019/04/16/the-potato-podcast-episode-12-aphid-monitoring/> (Interview)
- The Potato Podcast 2: Spore samplers are some of the newest technology in the industry. *The Potato Podcast* by Potato Country Magazine. August 14, 2018. <http://potatocountry.com/2018/08/14/episode-2/> (Interview)

GrowSmart Podcast: Serving up an informative dish of potato talk. GrowSmart Podcast by BASF. August 9, 2018. <https://growsmart.podbean.com/e/we%E2%80%99re-serving-up-an-informative-dish-of-potato-talk/> (Interview)

Extension Impact Statements:

Finkelnburg, D., Marshall, J., Duellman, K., Hutchinson, P., Walsh, O. 2022. Ag Talk Tuesday connects with growers and agricultural professionals. <https://www.uidaho.edu/-/media/UIDaho-Responsive/Files/Extension/admin/Impacts/2022/33-22-dfinkelnburg-ag-professionals.pdf>

Duellman, K.M., Hutchinson, P.J.S., Marshall, J.M., and de Haro Martí, M.E. 2022. Ag Talk Tuesday series keeps Idaho producers informed. <https://www.uidaho.edu/-/media/UIDaho-Responsive/Files/Extension/admin/Impacts/2022/5-22-kduellman-ag-talk-tuesdays.pdf>

Miscellaneous Extension Publications:

The Ag Talk Report Newsletter (<https://www.uidaho.edu/extension/news/ag-talk-tuesday>)

Winged aphid-monitoring network for seed potato growers enhanced by molecular detection of potato virus Y. The Ag Talk Report 4(2):4-6. 2022.

Aphid monitoring update – multiple peak flights occurred in 2020. The Ag Talk Report 2(5):7-8. 2020.

Aphid monitoring through July 27, 2020 in Idaho. The Ag Talk Report 2(4):7. 2020.

Monitoring for foliar plant pathogens in Idaho and Washington. The Ag Talk Report 2(4):6. 2020.

Aphids are on the move. The Ag Talk Report 2(3):7. 2020.

Monitoring airborne crop pests in Idaho. The Ag Talk Report 2(2):17. 2020.

All 2020 Ag Talk Tuesday sessions will be on-line. The Ag Talk Report 2(2):1. 2020.

Potato pathology update. The Ag Talk Report 1(4):2-3. 2019.

Aphid monitoring network – final counts for 2019. The Ag Talk Report 1(4):2. 2019.

Potato pathology update. The Ag Talk Report 1(3):2. 2019.

Aphid monitoring for PVY management. The Ag Talk Report 2:3-4. 2019

Potato update – soft rot, spore traps and aphid monitoring. The Ag Talk Report 1(1):4. 2019

Treasure Valley Pest Alert Network (<http://pnwpestalert.net/>)

Cull Potato Management. May 2019.

Call for Topics for the 2019 Idaho Potato Conference. September 2018.

No Late Blight in Potatoes yet in 2017. August 2017.

Seed Piece Decay Due to Soft Rot. June 2015.

Webpages/Social Media:

University of Idaho – Extension Seed Potato Research Facebook page (@UIExtensionSeedPotato), 2022-present

Applied Research/Demonstration Trials:

Annual Soil-Inoculated Rhizoctonia trials evaluating and demonstrating efficacy of fungicide seed and in-furrow treatments, 2016-present

Annual Seed Piece-Inoculated Fusarium trials evaluating and demonstrating efficacy of fungicide seed and in-furrow treatments, 2016-present

Community Service:

Volunteer for the annual East Idaho Science Bowl competition, 2016-present

4H assistant leader, Fargo North Dakota 2011-2013

Cub Scouts assistant leader/Treasurer, Fargo North Dakota 2010-2012

Honors and Awards:

PROFESSIONAL DEVELOPMENT: (workshops and seminars attended)

Teaching:

Teaching Pedagogy: Case Studies in Science Workshop, May 16-20, 2005, Hosted by University of North Dakota, Grand Forks ND, Leader: Clyde F. Herreid (Biological Sciences Department, University at Buffalo - State University of New York)

Scholarship:

STAT 419: Introduction to R and SAS (University of Idaho, Spring 2023)
 Basic bioinformatics and command-line tools; APS workshop, October 18, 2022
 Workshop on using linear mixed models in plant pathology; APS Annual Meeting, Cleveland OH, August 3, 2019
 Meta-Analysis Workshop; APS Annual Meeting, San Antonio TX, August 5, 2017
 SAS Workshop – the GLIMMIX procedure; University of Idaho, Twin Falls ID, June 2017
 Analysis of Population Genetics in R; APS-CPS Joint Annual Meeting, Minneapolis MN, August 9, 2014
 Introduction to Bayesian Analysis in Plant Pathology; APS-CPS Joint Annual Meeting, Minneapolis MN, August 9, 2014
 USDA Citrus Greening-HLB Workshop (Liberibacter pathogens), Beltsville MD March 19-21, 2014
 NPDN Bacterial Plant Pathogens Workshop, Berkeley CA Nov 6, 2011
 Plant Parasitic Nematodes of Corn and Soybean Cyst Nematode Workshop, Fargo ND March 9-10, 2011
 Soybean Rust Workshop (Quincy, FL, August 26-27, 2009); conducted by Dr. Jim Marois and others at IFAS-NREC
 Disease Assessment Workshop (Ames, IA, June 21, 2009); conducted by Dr. Forrest Nutter and Dr. Paul Esker at the annual North Central APS Division meeting
 Virus/RNA Workshop (hands-on RNA extraction and virus detection with realtime and conventional PCR); sponsored by the Great Plains Diagnostic Network, 2008 GPDN Annual Meeting, Fargo ND, January 2009
 Ralstonia Identification Training (Beltsville, MD, March 2008); conducted by USDA
 Potato Cyst Nematode Identification Training (Beltsville, MD, February 2008), conducted by USDA; conventional PCR and RFLP
 Nematode Workshop, sponsored by the Great Plains Diagnostic Network and hosted by Kansas State University (Instructors: Mr. Timothy Todd, Kansas State University; Dr. Thomas Powell, University of Nebraska-Lincoln), October 3-4, 2007; included both morphological and molecular components
 Mycotoxin Workshop, sponsored by the Great Plains Diagnostic Network and hosted by Montana State University (Dr. Nina Zidack and others), November 14 and 16, 2006; November 2007
 Toxic Mold Identification Workshop, July 30, 2005, APS Annual Meeting, Austin TX
 Fusarium Laboratory Workshop, June 27-July 1, 2005, Kansas State University, Manhattan KS, Dr. John Leslie, Coordinator
 Soybean Rust Identification Workshop, March 2005, USDA, Maryland (content included both morphological identification and a real-time PCR workshop)

Outreach:

Leadership Idaho Agriculture, a program to develop leaders in and advocacy for agriculture; Class 39 (November 2018 – March 2019)

Administration/Management:

Project Management workshop; Idaho Falls ID; March 31, 2023
 Genuine Leadership, a management and supervisory leadership program; Fargo ND; Fall 2013
 Crisis Communication Workshop, Kansas City, MO; July 2006