

CURRICULUM VITAE

University of Idaho

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

DATE: 3 December 2020

RANK OR TITLE: Assistant Professor, Extension Seed Potato Specialist

DEPARTMENT: Entomology, Plant Pathology & Nematology

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DATE OF FIRST EMPLOYMENT AT UI: 14 January 2016

DATE OF TENURE:

DATE OF PRESENT RANK OR TITLE: 14 January 2016

EDUCATION BEYOND HIGH SCHOOL:

Degrees:

Ph.D., North Dakota State University, Fargo ND, September 2015, Plant Pathology

M.S., University of Minnesota, St. Paul MN, May 1996, Plant Pathology

B.S. Arizona State University, Tempe AZ, July 1993, Biology

Certificates and Licenses:

EXPERIENCE:

Teaching, Extension and Research Appointments:

2016-present, Assistant Professor and Extension Seed Potato Specialist, University of Idaho, Idaho Falls, ID (75% Extension, 25% Research)

2004-2015, Director and Plant Diagnostician, NDSU Plant Diagnostic Lab, North Dakota State University, Fargo ND

1997-1998, Irregular Help, University of Idaho, Parma ID

1996-1997, Research Associate, Iowa State University, Ames IA

1993-1996, Graduate Research Assistant, University of Minnesota, St. Paul MN

Academic Administrative Appointments:

Non-Academic Employment including Armed Forces:

2002-2003, Book-keeper and 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

2008-present, Co-owner, Quasar Energy LLC, Fargo ND

1998-present, Co-owner, Process Equipment and Design LLC, Parma ID and Fargo ND

Consulting:

TEACHING ACCOMPLISHMENTS: (Academic and Extension teaching)

Areas of Specialization: Plant pathology, specifically tuber-borne potato diseases; seed potato quality

Courses Taught:

2004-2015, Introductory Plant Pathology lab sections

Students Advised:*Major Professor:*

2018-present, Major Professor, Doctor of Philosophy Committee for Christy Christian
 2020-present, Major Professor, Master of Science Committee for Wesley Bills

Committee Member:

2016-present, Member, Doctor of Philosophy Committee for Sandesh Dangi

Undergraduate students and Interns:

2020-present, Kathryn Richardson, Irregular help and Intern, Idaho State University
 2020, Elijah Vandehei, Irregular help and Intern, Idaho State University
 2020, Jewelia Hawker, Irregular help, College of Eastern Idaho
 2018, Wesley Bills, Intern, Brigham Young University – Idaho
 2018, Jacob Bunch, Intern, Brigham Young University – Idaho
 2017-2020, Cheryl Romero, Lab Aide, Idaho State University
 2016, Sarah Clark, Intern, Brigham Young University – Idaho

Extension Materials Developed:

Ag Talk Tuesdays, recurring online sessions to facilitate exchange of information among UI Extension Specialists/Educators and professionals in agriculture, Co-organizer and program coordinator; 2018-present: <https://www.uidaho.edu/extension/news/ag-talk-tuesday>; 21 sessions to date

The Ag Talk Report, a periodic newsletter summarizing selected Ag Talk Tuesday topics and providing other timely information for professionals in Idaho agriculture; Organizer and co-editor; 2019-present: <https://www.uidaho.edu/extension/news/ag-talk-tuesday>

Courses Developed:**Extension Teaching:****Non-credit Classes, Workshops, Seminars, Invited Lectures, etc.:**

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. (60) (invited)

Duellman, K. 2020. When does PVY in-season movement count? Idaho Potato Conference, Pocatello, ID, January 22, 2020. (200)

Duellman, K. 2020. Pest and disease surveillance programs: Aphid monitoring for PVY risk. Idaho Potato Conference, Pocatello, ID, January 22, 2020. (125)

Duellman, K. 2020. Overview of tuber-borne diseases of potato. Idaho Potato Conference, Pocatello, ID, January 22, 2020. (100) (invited)

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. (162) (invited)

Duellman, K. and Christian, C. 2019. Managing Fusarium dry rot. Hermiston Farm Fair, Hermiston, OR, December 4, 2019. (120) (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. (80)

Duellman, K.M. 2019. Managing Fusarium dry rot. Syngenta Field Day, Rupert, ID, August 21, 2019. (100) (invited)

Duellman, K. 2019. 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/>

Duellman, K.M. 2019. Genetics and potatoes. Friends for Learning, Idaho Falls, ID, March 20, 2019. (20) (invited)

Duellman, K.M. 2019. Fusarium in potatoes. Western Washington Potato Workshop, Mount Vernon, February 22, 2019. (70) (invited)

- Duellman, K.M. Research Update on Fusarium characterization in the Pacific Northwest. Idaho Potato Conference, Pocatello, ID, January 24, 2019. (25)
- Duellman, K.M. Panel discussion on pesticide resistance management. Moderator. Idaho Potato Conference, Pocatello, ID, January 24, 2019. (30)
- Duellman, K. 2019. Managing Fusarium dry rot. Idaho Potato Conference, Pocatello, ID, January 24, 2019. (300)
- Duellman, K. 2019. Fusarium Seed Piece Decay, Variety Susceptibility, and Management. ICIA Potato Seed Grower's Seminar, Pocatello, ID, January 22, 2019. (150) (invited)
- Duellman, K. 2018. Advances in seed potato treatments. Syngenta Potato Partners 2018, San Antonio, TX, November 14, 2018. (100) (invited)
- Duellman, K. 2018. 2018 Update on Extension Seed Potato Research. ICIA Area Meeting, Idaho Falls, ID, October 30, 2018. (100) (invited)
- Duellman, K. 2018. Current issues regarding quality of seed potatoes. University of Idaho Quality Task Force, Boise, ID, September 14, 2018. (21) (invited)
- Duellman, K. 2018. 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/>
- Duellman, K. 2018. 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/>.
- Duellman, K. 2018. Fusarium dry rot. Western Washington Potato Workshop, Mount Vernon, WA, February 23, 2018. (57) (invited)
- Duellman, K. 2018. Extension seed potato quality programs. UI Pest Advisory Committee Meeting, Twin Falls, ID, February 14, 2018. (35)
- Duellman, K. and Woodhall, J. 2018. Spore trapping network update. IPC Ag Affairs Committee Meeting, Idaho Falls, ID, February 6, 2018. (22) (invited)
- Duellman, K. 2018. Diagnosing and managing bacterial diseases. Idaho Potato Conference, Pocatello, ID, January 18, 2018. (150)
- Hutchinson, P., Thornton, M., and Duellman, K. 2018. In-field troubleshooting. Idaho Potato Conference, Pocatello, ID, January 18, 2018. (150)
- Wharton, P., Woodhall, J., and Duellman, K. 2018. Disease Management – Tuber/Soilborne disease management. Idaho Potato Conference, Pocatello, ID, January 17, 2018. (300)
- Wharton, P., Woodhall, J., and Duellman, K. 2018. Disease Management – Foliar disease management. Idaho Potato Conference, Pocatello, ID, January 17, 2018. (300)
- Duellman, K. 2017. Managing Rhizoctonia Diseases and Improving Seed Potato Quality. IAPP Annual Meeting, Twin Falls, ID, November 2, 2017. (92)
- Duellman, K. 2017. Extension Seed Potato Research Update. ICIA Combined Area Meeting, Idaho Falls, ID, October 31, 2017. (50) (invited)
- Woodhall, J. and Duellman, K. 2017. Spore Trap Network Update. IGSA Conference, Sun Valley, ID, August 30, 2017. (30) (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. (10) (invited)
- Duellman, K.M. 2017. Seed Potato Field Trials. UofI Pest Management Field Day, Aberdeen, ID, June 21, 2017. (45)
- Duellman, K.M. 2017. Seed Potato Quality Program. PLSC 523: Potato Industry Field Trip, Idaho Falls, ID, April 14, 2017. (16) (invited)
- Duellman, K.M. 2017. Plant Disease Diagnosis. UofI Extension Conference, Burley, ID, April 4, 2017. (20) (invited)
- Duellman, K. 2017. Proactive Potato Disease Management Using Spore Traps. IGSA Spring Member Meeting, Idaho Falls, ID, March 29, 2017. (25) (invited)
- Duellman, K and Woodhall, J. 2017. Spore Trap Network Proposal. IGSA Board Meeting, Idaho Falls, ID, February 23, 2017. (10) (invited)
- Duellman, K. 2017. Meet the Seed Potato Quality Program at the UofI. Ashton Grain School, Ashton, ID, February 9, 2017. (50) (invited)
- Duellman, K. and Woodhall, J. 2017. Why IGSA should consider sponsoring a spore trap. IGSA Board Meeting, Idaho Falls, ID, February 8, 2017. (8) (invited)

- Duellman, K. 2017. Diagnostics and Management of Bacterial Diseases of Potato. Idaho Potato Conference, Pocatello, ID, January 19, 2017. (100)
- Duellman, K. 2017. Management of Foliar Potato Diseases. Idaho Potato Conference, Pocatello, ID, January 18, 2017. (300)
- Duellman, K. 2017. Management of Tuber-borne Potato Diseases. Idaho Potato Conference, Pocatello, ID, January 18, 2017. (300)
- Duellman, K. 2016. Seed Potato Program Update and Seed Piece Efficacy Trials. Pest Advisory Group Meeting, Aberdeen, ID, December 6, 2016. (50)
- Duellman, K. 2016. Seed Potato Program Update and Rhizoctonia seed piece treatment efficacy trial. Idaho Association of Plant Protection, Jerome, ID, November 2, 2016. (85)
- Duellman, K. 2016. Seed Potato Program Update and Fusarium dry rot. ICIA Combined Area Meeting, Idaho Falls, ID, October 27, 2016. (35) (invited)
- Duellman, K.M. 2016. Systemic approach to plant disease diagnosis. UofI Extension In-Service Training, Twin Falls, ID, July 12, 2016. (50) (invited)
- 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. (50) (invited)
- Kinzer, K.M. 2014 October. NDSU Extension Conference: "How to Submit a Quality Sample"
- Kinzer, K.M. Summer 2014. Detecting the bacterial ring rot pathogen in potatoes. Workshop. North Dakota State University, Fargo, ND (6) (workshop organizer and presenter)
- Kinzer, K.M. Spring 2014. Detecting the bacterial ring rot pathogen in potatoes. Workshop. North Dakota State University, Fargo, ND (6) (workshop organizer and presenter)
- Kinzer, K.M. 2013. Detecting the bacterial ring rot pathogen in potatoes. Workshop organizer and presenter. Workshop. North Dakota State University, Fargo, ND (6) (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 (12) (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)

Honors and Awards:

SCHOLARSHIP ACCOMPLISHMENTS:

Publications, Exhibitions, Performances, Recitals:

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

Refereed/Adjudicated (*corresponding author)

- Woodhall, J.W., Brown, L., Harrington, M., Olsen, N., Miller, J. and **Duellman, K.M.***
Published Online: 14 Oct 2020. Sclerotinia sclerotiorum causes decay and forms sclerotia in potato tubers in Idaho. Plant Health Progress. <https://doi.org/10.1094/PHP-04-20-0032-RS>
- 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>
- 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>
- 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.
- 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.
- 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.
- Marshall, J.M., **Kinzer, K.**, 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.
- 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.

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.

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>.

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.

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.

Burrows, M., Franc, G., Rush, C., Blunt, T., Ito, D., **Kinzer, K.**, Olson, J., O'Mara, J., Price, J., Tande, C., Ziem, 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.

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.

Peer Reviewed/Evaluated:

Plant Disease Management Reports:

Duellman, K., Bertram, M., and Lent, M. *Accepted with revision June 2020; to be submitted for 2021.* Efficacy of seed and in-furrow fungicide treatments for suppressing *Rhizoctonia* canker and black scurf on potato, Bingham County, ID, 2019. *Plant Disease Management Reports* 15:XXX.

Duellman, K., Lent, M., and Bertram, M. 2020. Efficacy of fungicide seed potato treatments to reduce *Fusarium* seed piece decay and *Rhizoctonia* canker, Bingham County, ID, 2019. *Plant Disease Management Reports* 14:V184.

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.

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.

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.

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.

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.

Duellman, K., Betram, M., and Lent, M. 2017. Efficacy of chemicals in suppressing soil-borne Rhizoctonia stem canker and black scurf on potato, Bingham County, ID, 2016. Plant Disease Management Reports 11:V126.

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.

Current Information Series and Extension Bulletins:

Duellman, K.M., Thornton, M.K., and Westra, A.A. *Online 16 November 2020*. Potato seed certification and selection in Idaho. University of Idaho Extension BUL 983.

Secor, G. **Kinzer, K.** and Rivera-Veras, V. 2011. Late Blight: A plant disease that impacts the community. Plant Disease Alert, North Dakota State University Extension Bulletin PP1565.

Hellevang, K., **Kinzer, K.**, Lardy, G., McMullen, M., Mostrom, M., Olson, F., Pryor, S., Ransom, J., and Schroeder, J.W. 2009. Corn ear molds: basic questions and answers. North Dakota State University Extension Bulletin PP1451.

Knodel, J.J., **Kinzer, K.**, and Smith, R. 2009. Houseplants: Proper Care and Management of Pest Problems. North Dakota State University Extension Bulletin PP744 (Revised).

Abstracts:

Wharton, P., Woodhall, J., Pizolotto, C., Harrington, M., Fairchild, K., Malek, A., and **Duellman, K.** 2019. A spore trapping network for the early detection of potato pathogens in the USA. 22nd Biennial Australasian Plant Pathology Society Conference, Melbourne, Australia, November 25-28, 2019 (Poster).

Woodhall, J., Harrington, M., Keith, S., Oropeza, A., **Duellman, K.**, Rodriguez-Salamanca, L. 2019. The importance of considering the anastomosis group of *Rhizoctonia* in diagnostic reporting and disease management. Fifth National Meeting of the National Plant Diagnostic Network, Indianapolis IN, April 15-18, 2019 (Poster).

Oropeza, A., Harrington, M., Keith, S., Fairchild, K., Malek, A., **Duellman, K.**, Wharton, P., Marshall, J., and Woodhall, J. 2019. Spore sampling for the early detection of foliar potato pathogens in Idaho. Fifth National Meeting of the National Plant Diagnostic Network, Indianapolis IN, April 15-18, 2019 (Poster).

Woodhall, J., Oropeza, A., Harrington, M. Keith, S., Dangi, S. Fairchild, K., Malek, A., **Duellman, K.**, Marshall, J., and Wharton, P. 2019. The potential of using spore trapping for the early detection of plant pathogens in Idaho. APS National Meeting, Cleveland OH, August 3-7, 2019. Phytopathology (Suppl) (Poster).

Duellman, K.M., Lent, M.A., Bertram, M.C., and Randall, J.A. 2018. Risks associated with use of single drop potato tubers versus cut seed potato pieces for propagation. 11th International Congress of Plant Pathology, Boston MA (Poster).

Lent, M.A., Bertram, M.C., Randall, J., Wharton, P.S., and **Duellman, K.M.** 2018. Characterizing the species of *Fusarium* responsible for Potato Dry Rot in the Pacific

- Northwest.102nd Annual Meeting of the Potato Association of America, Boise ID (Poster).
- 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).
- Duellman Kinzer**, K.M., Bertram, M. C., Lent, M. A., Randall, J. C., and Clark, S. A. 2017. Utility of planting variable-sized whole tubers simulating a European belt-style planter to reduce seed piece decay in seed potato production. APS National Meeting, San Antonio TX. Phytopathology (Suppl) (Poster).
- Duellman Kinzer, K.M.**, Bertram, M. C., Lent, M. A., and Nolte, P. 2017. Influence of fungicide seed treatment and seed potato tuber type on components of Russet Burbank. 101st Annual Meeting of the Potato Association of America, Fargo ND (Poster); Am. J. Potato Res. 95:219.
- Duellman Kinzer, K.M.**, Bertram, M. C., Lent, M. A., Randall, J. C., and Clark, S. A., 2017. Utility of variable-sized whole tubers to improve quality and yield parameters in seed potato production. 101st Annual Meeting of the Potato Association of America, Fargo ND (Poster); Am. J. Potato Res. 95:219.
- Whitworth, J., Gudmestad, N., Selstedt, R., Westra, A., Nolte, P., and **Duellman Kinzer, K.** 2017. Symptom expression of mainstream and specialty potato varieties to bacterial ring rot (*Clavibacter michiganensis* subsp. *sepedonicus*) and evaluation of in-field detection. 101st Annual Meeting of the Potato Association of America, Fargo ND (Poster); Am. J. Potato Res. 95:227.
- Bertram, M.C., Nolte, P., Lent M.A., McIntosh, C.S., Randall, J.C., and **Kinzer, K.M.** 2016. Influence of PVY on Yield and Grade of Russet Burbank and Russet Norkotah Potato. 100th Annual Meeting of the Potato Association of America, Grand Rapids MI (Poster).
- Kinzer, K.M.**, and Brueggeman, R.S. 2013. Analysis of a population of *Pyrenophora teres* f. *maculata* for virulence factors using Genotyping-by-sequencing and Association Mapping. APS National Meeting, Austin TX. Phytopathology 103(Suppl. 2):S2.74 (Poster).
- Kinzer, K.M.**, Ashley, R.O., Waldstein, D.E., McMullen, M.V. 2011. Small grain viruses in North Dakota. NPDN 3rd National Meeting, Berkely CA, November 2011 (Poster).
- Kinzer, K.M.**, Langham, M., McPhee, K.E., Botschner, M., Harchenko, W.A., Goswami, R.S., and Markell, S.G. 2011. Viruses detected in North Dakota dry edible pea nursery plots. APS North Central Division Meeting, Omaha NE, June 2011. Phytopathology Vol. 101 (Supplement 2), No. 10, 2011 S2.1 (Poster).
- Gulya, T.J., Friskop, A.J., **Kinzer, K.M.**, and Markell, S.G. 2011. Morphological differentiation of rusts and *Alternaria* species attacking sunflower. NPDN 3rd National

Meeting, Berkely CA, November 2011 (Poster).

Markell, S.G., Jantzi, D.D., **Kinzer, K.M.**, Hagemeister, K., Jordahl, J.G., Taylor, C.A., and Mathew, F.M. 2011. Geographical expansion of Soybean Cyst Nematode in North Dakota. NPDN 3rd National Meeting, Berkely CA, November 2011 (Poster).

Kinzer, Kasia M., Mathew, Febina M., Markell, Samuel G., and Castlebury, Lisa A. 2009. First report of *Diaporthe stewartii* as a pathogen of buckwheat. NPDN 2nd National Meeting, Miami FL, December 7-9, 2009 (Poster).

Kinzer, K., Markell, S., and Gulya, T. 2009. Charcoal rot on sunflower and other crops in North Dakota. Poster. 31st Annual Sunflower Research Forum, Fargo ND (Poster).

Walla, J.A., **Kinzer, K.M.** 2008. Symptoms and signs of *Stigmina lautii* on spruce needles in North Dakota. *Phytopathology* 98:S164 (Poster).

Kinzer, K.M., Walla, J.A. 2008. *Stigmina lautii* appears to have replaced *Rhizosphaera kalkhoffii* on spruce in North Dakota. *Phytopathology* 98:S82 (Poster).

Proceedings:

Jochum, C.C., Yuen, G.Y., Ruden, K.R., Bleakley, B.H., Morgan, J., Osbourne, L., Sweets, L.E., Halley, S. and **Kinzer, K.** 2008. 2008 results from the uniform evaluation of biological agents for the control of *Fusarium* head blight on wheat and barley. Proceedings of the 2008 National *Fusarium* Head Blight Forum. U.S. Wheat and Barley Scab Initiative. Indianapolis, Indiana. p. 32-35.

Other: (reports, proceedings, papers, citations and references, performances)

Theses and Dissertations:

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.

Newsletters:

Duellman, K. 2020. Aphid monitoring update – multiple peak flights occurred in 2020. The Ag Talk Report 2(5):7-8. <https://www.uidaho.edu/extension/news/ag-talk-tuesday>

Duellman, K., Hutchinson, P.J.S., and Marshall, J. 2020. Ag Talk Tuesday resumes May 4, 2021. The Ag Talk Report 2(5):1. <https://www.uidaho.edu/extension/news/ag-talk-tuesday>

Duellman, K. 2020. Aphid monitoring through July 27, 2020 in Idaho. The Ag Talk Report 2(4):7. <https://www.uidaho.edu/extension/news/ag-talk-tuesday>

Duellman, K. 2020. Monitoring for foliar plant pathogens in Idaho and Washington. The Ag Talk Report 2(4):6. <https://www.uidaho.edu/extension/news/ag-talk-tuesday>

Duellman, K. 2020. Join us for the next Ag Talk Tuesday – August 4. The Ag Talk Report 2(4):1. <https://www.uidaho.edu/extension/news/ag-talk-tuesday>

Duellman, K. 2020. Aphids are on the move. The Ag Talk Report 2(3):7. <https://www.uidaho.edu/extension/news/ag-talk-tuesday>

- Duellman, K.** 2020. Join us for the next Ag Talk Tuesday – July 7. The Ag Talk Report 2(3):1. <https://www.uidaho.edu/extension/news/ag-talk-tuesday>
- Duellman, K.** 2020. Monitoring airborne crop pests in Idaho. The Ag Talk Report 2(2):17. <https://www.uidaho.edu/extension/news/ag-talk-tuesday>
- Duellman, K.,** Hutchinson, P.J.S., and Marshall, J.M. 2020. All 2020 Ag Talk Tuesday sessions will be on-line. The Ag Talk Report 2(2):1 (June 12, 2020) <https://www.uidaho.edu/extension/news/ag-talk-tuesday>
- Duellman, K.** 2020. Ag Talk Tuesdays resume for 2020. The Ag Talk Report 2(1):1 (May 13, 2020) <https://www.uidaho.edu/extension/news/ag-talk-tuesday>
- Duellman, K.,** Wharton, P., Olsen, N., and Miller, J. 2019. Potato pathology update. The Ag Talk Report 1(4):2-3 (October 18, 2019). <https://www.uidaho.edu/extension/news/ag-talk-tuesday>
- Duellman, K.** 2019. Aphid monitoring network – final counts for 2019. The Ag Talk Report 1(4):2 (September 30, 2019). <https://www.uidaho.edu/extension/news/ag-talk-tuesday>
- Duellman, K.** 2019. Potato pathology update. The Ag Talk Report 1(3):2 (June 11, 2019). <https://www.uidaho.edu/extension/news/ag-talk-tuesday>
- Weninger, E. and **Duellman, K.** 2019. Aphid monitoring for PVY management. The Ag Talk Report 2:3-4 (May 24, 2019). <https://www.uidaho.edu/extension/news/ag-talk-tuesday>
- Duellman, K.** 2019. Potato update – soft rot, spore traps and aphid monitoring. The Ag Talk Report (Ag Talk Tuesday Newsletter) 1(1):4 (May 1, 2019). <https://www.uidaho.edu/extension/news/ag-talk-tuesday>
- 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).

Articles for popular press:

- 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. What to know when buying Idaho-certified seed potatoes. Ag Proud Idaho, January 2020 pp. 41-42.
- Duellman, K.** 2020. Discerning Customer: What to know when buying Idaho certified seed potatoes. Potato Grower, February 2020 pp. 38-39.
- 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.,** Olsen, N., Hutchinson, P.J.S., and Woodhall, J. 2019. Cull potato management. Treasure Valley Pest Alert network, published online May 13, 2019 <http://pnwpestalert.net/alerts/search/cull%20potato>
- Miller, J., Miller, T., **Duellman, K.,** and Olsen, N. 2019. Managing Fusarium dry rot. Potato

Progress Volume XIX, Number 5, 15 April 2019.

- Duellman, K.**, and Karasev, A. 2019. Healthy Start: Does cutting seed potato tubers spread PVY from infected tubers to healthy ones? *Potato Grower*, May Issue.
- Duellman, K.** 2019. The best start: Which seed practices work best? Liquid vs. dust, whole vs. cut. *Potato Grower*, April Issue.
- 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.**, McMoran, D., Inglis, D., and Frost, K. 2018. Managing Fusarium Dry Rot in Storage. *Spudman eNewsletter* (2 October 2018).
- Duellman, K.**, McMoran, D., Inglis, D., and Frost, K. 2018. Managing Fusarium Dry Rot in Storage. *Potato Progress* 18:13 (14 September 2018).
- 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 Issue
- Kinzer, K.** and Westra, A. 2017. Shopping List: Seed Potato Purchasing Guidelines. *Potato Grower*, January Issue
- 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
- 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
- Wharton, P. and **Kinzer, K.** 2016. "Pre- and early season control measures for Late Blight." In: *Potato Progress*, Volume XVI, Number 4; 28 April

Refereed/Adjudicated (currently scheduled or submitted):

- Duellman, K.M.***, Lent, M.A., Brown, L., Harrington, S., and Woodhall, J.W. *Accepted for First Look 1 December 2020*. First report of rubbery rot of potato caused by *Geotrichum candidum* in the United States. *Plant Disease*.
- Butte, S., Vakanski, A., **Duellman, K.**, Wang, H., Mirkouel, A. *Accepted with revision, 9 September 2020*. Detection of crop stress in aerial images using Deep Learning Models for Object Detection. *Agronomy Journal*.

Peer Reviewed/Evaluated (currently scheduled or submitted):

Duellman, K., Bertram, M., and Lent, M. *Accepted with revision June 2020; to be submitted for 2021.* Efficacy of seed and in-furrow fungicide treatments for suppressing Rhizoctonia canker and black scurf on potato, Bingham County, ID, 2019. Plant Disease Management Reports 15:XXX.

Presentations and Other Creative Activities:

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

Ag Talk Tuesdays, Co-organizer and program coordinator; 2018-present:

<https://www.uidaho.edu/extension/news/ag-talk-tuesday>

2020 dates, offered online only (number of attendees):

Number registered: 128

5 May (17) (Moderator: Kasia Duellman)

19 May (30) (Moderator: Juliet Marshall)

2 June (28) (Moderator: Pamela J.S. Hutchinson)

16 June (27) (Moderator: Kasia Duellman)

7 July (18) (Moderator: Juliet Marshall)

21 July (27) (Moderator: Kasia Duellman)

4 August (18) (Moderator: Juliet Marshall)

18 August (20) (Moderator: Kasia Duellman)

2019 dates, location (number of attendees):

7 May, Blackfoot (12)

21 May, Twin Falls (6)

4 June, American Falls (9)

2 July, Rexburg (10)

6 August, Pocatello (6)

20 August, Rupert (9)

2018 dates, location (number of attendees):

5 June, Blackfoot (25)

12 June, Pocatello (1)

19 June, American Falls (6)

10 July, Burley (7)

17 July, Idaho Falls (12)

7 August, Blackfoot (6)

21 August, Pocatello (4)

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

Grants and Contracts Awarded: Total: \$2,999,997+SCRI, spending authority: \$627,429+SCRI

FY2021 – total amount: \$534,084+SCRI (\$134,498 + SCRI)

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; \$X,XXX,XXX (\$XX,XXX).

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 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)

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 2020; \$28,885 (\$28,885)

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

Principal Investigator: Amy Charkowski; Co-investigators: Jianjun Hao, Gary Secor, Christopher McIntosh, Robert Brueggeman, Melanie Filiatrault, Kate Fuller, Ken Frost, Adam Heuberger, Steve Johnson, **Kasia Duellman**, Nicole Perna, Keith Perry, Noah Rosenzweig, Bryan Swingle. Integrating next-generation technologies for management of bacterial soft rot pathogens of potato. USDA-NIFA, 1 October 2017 through 30 September 2021; \$247,073 (\$10,688)

Principal Investigator: James Woodhall; Co-investigators: Phillip Wharton, **Kasia Duellman**. Developing and deploying advanced detection methods for bacterial ring rot of potatoes. IPC Specialty Crop Block Grant, 1 October 2018 through 30 September 2021; \$141,348 (\$7,047)

FY2020 – total amount: \$819,770 (\$148,558)

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**; 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**. Seed Potato Quality Improvement. IPC, 1 August 2019 through 31 July 2020; \$35,000 (\$35,000)

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

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

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: Amy Charkowski; Co-investigators: Jianjun Hao, Gary Secor, Christopher McIntosh, Robert Brueggeman, Melanie Filiatrault, Kate Fuller, Ken Frost, Adam Heuberger, Steve Johnson, **Kasia Duellman**, Nicole Perna, Keith Perry, Noah Rosenzweig, Bryan Swingle. Integrating next-generation technologies for management of bacterial soft rot pathogens of potato. USDA-NIFA, 1 October 2017 through 30 September 2021; \$247,073 (\$10,688)

Principal Investigator: James Woodhall; Co-investigators: Phillip Wharton, **Kasia Duellman**. Developing and deploying advanced detection methods for bacterial ring rot of potatoes. ISDA Specialty Crop Block Grant, 1 October 2018 through 30 September 2021; \$141,348 (\$7,047)

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)

FY2019 – total amount: \$824,795 (\$117,345)

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: **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)

Principal Investigator: Alex Karasev; Co-investigators: **Kasia Duellman**, Chris Benedict, Debra Inglis. Monitoring the PVY strain composition in seed potato in the PNW. IPC, 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. IPC, 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; IPC, 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: Amy Charkowski; Co-investigators: Jianjun Hao, Gary Secor, Christopher McIntosh, Robert Brueggeman, Melanie Filiatrault, Kate Fuller, Ken Frost, Adam Heuberger, Steve Johnson, **Kasia Duellman**, Nicole Perna, Keith Perry, Noah Rosenzweig, Bryan Swingle. Integrating next-generation technologies for management of bacterial soft rot pathogens of potato. USDA-NIFA, 1 October 2017 through 30 September 2021; \$247,073 (\$10,688)

Principal Investigator: James Woodhall; Co-investigators: Phillip Wharton, **Kasia Duellman**. Developing and deploying advanced detection methods for bacterial ring rot of potatoes. IPC Specialty Crop Block Grant, 1 October 2018 through 30 September 2021; \$141,348 (\$7,047)

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)

FY2018 – total amount: \$537,703 (\$128,516)

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: **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)

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; IPC, 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: Jonathan Whitworth; Co-investigators: Neil C. Gudmestad, Jeff Stark, Alan Westra, **Kasia Duellman**. 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: McIntosh, Christopher; 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 2022; \$247,073 (\$10,688)

FY2017 – total amount: \$283,645 (\$98,512)

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: Nora Olsen; Co-investigator: Kasia Kinzer. Extension Potato Specialists. IPC, 1 July 2015 – 31 July 2016; \$30,000 (\$15,000)

Principal Investigator: **Kasia Kinzer**. Seed Potato Quality Improvement. IPC, 1 July 2015-31 July 2016; \$35,000 (\$35,000).

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. Idaho Potato Commission, 1 July 2015 – 31 July 2016; \$64,630 (\$10,252).

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)

Honors and Awards:

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:

- 2020-2021, **Chair**, WERA89: Potato Virus and Virus-Like Disease Management Committee (**Vice-Chair**: 2019-2020; **Secretary**: 2018-2019; member since 2016)
- 2020-2021, **Chair**, Potato Association of America, Extension, Production, and Management Section (**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
- 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, Member, Idaho Crop Improvement Association, Potato Advisory Committee

University:

- 2019-Present, Sub-Editor and Reviewer, University of Idaho Extension and Idaho Agricultural Experiment Station Manuscript Fast Track system
- 2018-2021, University Multi-campus Communications committee, Alternate
- 2017-2020, **Co-chair**, University of Idaho Potato Conference Organizational Committee
- 2018, Seed Potato Quality Task Force, member (chair: Mark McGuire)

College (CAL):

- 2016-2017, Search and Screen Committee for Associate Director of Extension, member

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

- 2018-present, **Chair/Advisor**, PhD Committee for Christy Christian
- 2020-present, **Chair/Advisor**, MS Committee for Wesley Bills
- 2019-2020, **Chair**, Search and Screen Committee for Research Specialist
- 2019, Search and Screen Committee for Research Support Scientist, member
- 2017, Promotion Committee for Louise-Marie Dandurand, member
- 2017-present, Graduate Admissions/Support/Progress Committee, member
- 2016-present, PhD Committee for Sandesh Danghi (Advisor: P. Wharton), member

Other Committee memberships (prior to 2016):

- NPDN Annual Meeting Sponsor and Exhibits Committee, member 2015-2016
- GPDN Operations Committee, member 2011-2013
- NDSU, Tree-Nursery-Turf Faculty Search committee, member 2010
- Ad-hoc* APS Committee, provided input for a mobile APS plant pathology display, member 2006-2008
- Ad-hoc* GPDN committee, organized the Annual GPDN meeting in Fargo ND, January 2009, **Chair** 2007-2009
- Ad-hoc* GPDN committee, organized an RNA workshop in Fargo ND, January 2009, **Co-chair** 2008-2009

Professional and Scholarly Organizations

- American Phytopathological Society (since 1993)
- Extension Committee, **Chair**, 2018-2019
- Editorial Board – Plant Disease Notes Editor, 2019-2021

Integrated Plant Disease Management Committee, member 2016 to present
 Plant Pathogen and Disease Detection Committee, member 2016 to present
 Assigning editor (Plant Disease Notes) for 340 manuscripts, 2019 to present
 Articles reviewed for Plant Disease journal, 2010 to present: 1
 Articles reviewed for Plant Disease Management Reports, 2017-present: 18
 Abstracts reviewed, 2017-present: 3

Potato Association of America (since 2013)
 Plant Protection Section, **Chair**, 2018-2019 (member since 2016)
 Extension Production and Management Section, **Chair**, 2019-2020 (member since 2016)
 Seed Certification Section, member since 2014
 Articles reviewed for American Journal of Potato Research, 2017 to present: 7

Idaho Association of Plant Protection, member (since 2016)

American Association for the Advancement of Science (since 2010)

Australasian Plant Pathology Society (since 2019)
 Articles reviewed for Australasian Plant Pathology, 2019 to present: 2

WERA89 – Potato Virus and Virus-Like Disease Management, member (since 2016), **Chair**, 2020-2021

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

Duellman, K., Lent, B., Randall, J., Christian, C. 2019. Seed potato research: Keeping an “Eye” on potatoes. Aberdeen Twilight Tour, Aberdeen, ID, 17 July 2019. (300)
 Duellman, K., Lent, B., Bertram, M., Randall, J., Christian, C. 2018. Seed potato research: Keeping an “Eye” on potatoes. Kimberly Twilight Tour, Kimberly, ID, 18 July 2018. (600)
 Duellman, K., Lent, B., Randall, J. 2017. Seed potato research: Keeping an “Eye” on potatoes. Aberdeen Twilight Tour, Aberdeen, ID, 19 July 2017. (300)
 Duellman, K., Lent, B., Bertram, M., Randall, J., Clark, S. 2016. Seed potato research: Keeping an “Eye” on potatoes. Kimberly Twilight Tour, Kimberly, ID, 20 July 2016. (600)
 Duellman, K., Lent, B., Bertram, M., Randall, J. 2017. Seed Potato Research. University of Idaho Graduate Student Potato Industry Tour. Idaho Falls, ID, 14 April 2017. (8)

Community Service:

Volunteer for junior high and middle school career days and science fairs, 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:

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:**Administration/Management:**

- Leadership Idaho Agriculture, a program to develop leaders to promote and advocate for agriculture; Class 39 (November 2018 – March 2019)
- Genuine Leadership, a management and supervisory leadership program; Fargo ND; Fall 2013
- Crisis Communication Workshop, Kansas City, MO; July 2006