

CURRICULUM VITAE
University of Idaho

NAME: Marshall, Juliet M.

Date: Feb, 2025

RANK OR TITLE: Endowed Research Professor, Cereal Cropping Systems Agronomist and Pathologist.
Associate Director of the Idaho Agricultural Experiment Station

DEPARTMENT: Plant Sciences

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DATE OF FIRST EMPLOYMENT AT UI: August 30, 1992

DATE OF TENURE: July 1, 2010

DATE OF PRESENT RANK OR TITLE: July 1, 2017 Research Professor;
Jan 6, 2025 Associate Director of the Idaho Agricultural Experiment Station

EDUCATION BEYOND HIGH SCHOOL:

Degrees:

1992 Ph.D., Plant Pathology, 1992 University of Illinois, Champaign-Urbana, IL

1988 M.S., Plant Sciences, University of Delaware, Newark, DE

1986 B.S., Plant Sciences, *Magna Cum Laude*, University of Delaware, Newark, DE

EXPERIENCE:

Teaching, Extension and Research Appointments:

Jan 6, 2025 – current; Associate Director of the Idaho Agricultural Experiment Station, University of Idaho
College of Agricultural and Life Sciences

2021 – Jan 2025, Department Head of Plant Sciences, University of Idaho

2017 – present, Research Professor, Cereal Cropping Systems, Agronomy and Pathology, University of Idaho, Department of Entomology, Plant Pathology and Nematology

2013 – current. Recipient of the first Joe Anderson Idaho Wheat Commission Endowed Chair, a \$1 million Endowed Professorship in cereal agronomy from the Idaho Wheat Commission in 2013.

2010 – 2017, Associate Professor, Cereal Cropping Systems, Agronomy and Pathology,
University of Idaho, Department of Plant Soil, and Entomological Sciences

2004-2010, Assistant Professor of Cereal Cropping Systems and Pathology, University of Idaho,
Department of Plant, Soil, and Entomological Sciences

2003-2004, Interim Cereal Cropping Systems Agronomist, University of Idaho, Department of
Plant, Soil, and Entomological Sciences (PSES)

1997-2004, PSES Distance Education Coordinator, University of Idaho, Idaho Falls

1997-2004, Research Support Scientist, Potato and Cereals Agronomy, University of Idaho, PSES

1992-97, Research Support Scientist, Wheat Breeding, University of Idaho, PSES

1988-92, Graduate student and J. Turner Baldwin Fellow, University of Illinois

1986-88, Teaching Assistant, University of Delaware, Newark, DE

Non-Academic Employment:

1988, County Extension Agent, Kent County, University of Delaware

TEACHING ACCOMPLISHMENTS:

Areas of Specialization: Plant Pathology, Vegetable Science, Crop Physiology.

Courses Taught:

Cereal Chemistry, PISc 404, directed study, 2008
 Plant Pathology PISc 405, 2000 and 2004
 Crop Physiology, PISc404, directed study, 2001
 Vegetable Science, PISc 404, 2003

Students Advised:

Major Professor:

2023 – present, Major Professor, Ph.D. committee for Nadejda Poiras, Plant Science
 2022 – 2024, Major Professor, Master's Committee for Clayton Balfe, Plant Science
 2019 - 2020, Major Professor, Master's Committee for Garrett Thurgood, Plant Science
 2019 – present, Major Professor Ph.D. committee Suzette A. Baldwin, / Plant Science / Plant Path
 2019 – 2022, Major Professor, Master's Committee for Rachel Patterson, Plant Pathology
 2015 - 2018, Major Professor, PhD Committee for Pooria Ensafi, Ph.D. Plant Science
 2009 – 2012, Major Professor for Kaitlyn Bissonnette, M.S. Plant Science / Plant Pathology
 2008 - 2010, Major Professor for Chad Jackson, M.S. Plant Science

Committee Member:

Luana Zagato, Plant Sciences, 2021-2023
 Emmanuella Owusu Ansah, Plant Sciences, 2021 – 2023
 Lara Brown, M.S. EPPN, Plant Pathology, April 2020 – 2021
 Mackade Murdock, M.S. EPPN, Plant Pathology, April 2020 - current
 Christy Christian, Ph.D., EPPN, Plant Pathology, Dec 2019 – 2023
 Paige Hickman, Ph.D., EPPN, Jan 2020 – current
 Jingya Yang, M.S. Plant Sciences, Dec 2019 – June 2020
 Jacob Bevan, M.S. Plant Sciences, Jan 2019 – June 2020
 Grant Loomis, M.S. Plant Science (Agronomy) 2018
 Brian Bowman, Ph.D., Plant Science (Breeding), 2015
 Santosh Nayak, M.S., Plant Science (Breeding), 2014
 Elizabeth Wood, Master's student, Plant Pathology, 2013
 Greg Blaser, Ph.D., Plant Science / Agronomy, 2012
 Jeff Lacey, Ph.D., Plant Science, 2009
 Tom Salaiz, Ph.D., Plant Science / Horticulture

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

Marshall, J.M., Shelman, T., Jones, L., Hatch, J., Carillo, M., Abdullah, S. Presentation to growers associated with Arthur Company. Seed treatments for disease control in wheat and barley. February 26, 2025. Ft. Hall, ID. Invited.

Marshall, J.M., Shelman, T., Jones, L., Hatch, J., Carillo, M., Abdullah, S., Windes, S.M. Diseases and Production Issues in Cereals. Simplot Fertilizer grower meeting, Feb 6, 2025. Ashton, ID. Invited.

Hatzenbuehler, P., C. Rogers, C. Adams, J.M. Marshall, O. Walsh, G. Thurgood, B. Dari, and G. Loomis, and D. Tarkalson. 2025. Barley and wheat straw minerals. East Idaho Cereals Conference, February 5, 2025. Fort Hall, ID.

Marshall, J.M., Shelman, T., Jones, L., Hatch, J., Carillo, M., Abdullah, S., Windes, S.M. Barley Variety Trial Results. Cereal Schools, Feb 5, 2025. Ft Hall, ID.

Marshall, J.M., Shelman, T., Jones, L., Hatch, J., Carillo, M., Abdullah, S., Windes, S.M. Wheat Variety Trial Results. Cereal Schools, Feb 5, 2025. Ft Hall, ID.

Marshall, J.M., Shelman, T., Jones, L., Hatch, J., Carillo, M., Abdullah, S., Windes, S.M. Diseases in Cereal Production. Idaho Cereal Schools, Feb 5, 2025. Ft Hall, ID.

Marshall, J.M. 2024. Invited Keynote speaker at the Annual Robert B. Carroll Symposium. “Navigating the Paths of Plant Pathology” Newark, DE, Nov 7 – 8, 2024.

Marshall, J.M. Small Grain Production, Diseases and Extension Variety Trials. Tetonia Extension Variety Trial field day. July 25, 2024.

Marshall, J.M. Small Grain Production, Diseases and Extension Variety Trials. Soda Springs Extension Variety Trial field day. July 23, 2024.

Marshall, J.M. Small Grain Production, Diseases and Extension Variety Trials. Idaho Falls Extension Variety Trial field day, July 18, 2024.

Marshall, J.M. Small Grain Production, Diseases and Extension Variety Trials. Aberdeen UI and LCS joint field day. July 16, 2024.

Marshall, J.M. Small Grain Production, Diseases and Extension Variety Trials. Cereals Field day – Minidoka. Extension Variety Trials and Diseases, July 10, 2024.

Curtis B. Adams¹, Christopher W. Rogers¹, Juliet M. Marshall², Patrick Hatzenbuehler², Olga S. Walsh², Garrett Thurgood², Biswanath Dari², Grant Loomis². What is the Economic Value of Mineral Nutrients Contained in Wheat Residue? Sherman Station field day, Moro, WA. June, 2024.

Yimer, B., Patterson, R., Krause, M., Marshall, J.M. Detection of dwarf bunt resistance in winter wheat at early growth stage using qPCR assay. Western Wheat Workers Meeting, Idaho Falls, ID June 19, 2024.

Marshall, J.M. Program overviews: FHB screening of spring and winter cereals; Extension Variety Trials Field Tour. Western Wheat Workers Meeting, Aberdeen, ID. June 18, 2024.

Marshall, J.M. 2024. Departmental Breakout. Coordinating Plant Science activities across the state. All CALS April 9, 2024.

Marshall, J.M., Bradley, C., Friskop, S. 2024 US Wheat and Barley Scab Initiative “Scabinar – Fungicides for Management of FHB in Cereals.” March 13, 2024. USWBSI. <https://scabusa.org/scabinar>

Marshall, J.M. Seed treatments for disease control in wheat and barley. Presentation to growers, Bingham Ag Services. March 6, 2024. Invited.

Marshall, J.M. 2024 Barley Pest Initiative Research Update. Barley Improvement Committee, Feb 7, 2024

Marshall, J.M., Yimer, B., Shelman, T., Jones, L., Hatch, J., Carillo, M., Abdullah, S., Windes, S.M. Cereal Variety Trial Results. Cereal Schools, Feb 6-9, 2024, 6 locations (Burley, Pocatello, Idaho Falls, Ashton, Soda Springs, Preston).

Marshall, J.M., Yimer, B., Shelman, T., Jones, L., Hatch, J., Carillo, M., Abdullah, S., Windes, S.M. Diseases in Production. Cereal Schools, Feb 6-9, 2024, 6 locations (Burley, Pocatello, Idaho Falls, Ashton, Soda Springs, Preston).

Marshall, J.M. – “Fighting a Plague with Resilient Crops - Pest Viability in ‘Interstellar’.” Moscow, ID as part of “Science on Screen” programming grant with the Alfred P. Sloan Foundation, programming that enhances public awareness of topics in STEM fields. Kenworthy Performing Arts Centre, Dec 13, 2023.

Marshall, J.M. Presentation to growers associated with Bingham Ag Services. Seed treatments for disease control in wheat and barley. 63 growers, March 9, 2023. Invited.

Marshall, J.M., Yimer, B., Shelman, T., Jones, L., Hatch, J., Carillo, M., Moll, M., Windes, S.M. Cereal Variety Trial Results. Cereal Schools, Feb 7-10, 2023, 6 locations.

Marshall, J.M., Ensafi, P. Spring Wheat and Barley Screening for Cereal Cyst Nematode - Proposal and Progress report. Idaho Wheat Commission and Idaho Barley Commission. Research Review. Video recording for February 24, 2023. Boise, ID.

Marshall, J.M., Yimer, B., Shelman, T., Jones, L., Hatch, J., Windes, S.M. Wheat and Barley Extension Variety Trials - Proposal and Progress report. Idaho Wheat Commission and Idaho Barley Commission. Research Review. Video recording for February 22-23, 2023. Boise, ID.

Marshall, J.M., Woodhall, J. Support for Plant Diagnostics - Proposal and Progress report. Idaho Wheat Commission and Idaho Barley Commission. Research Review. Video recording for February 22-23, 2023. Boise, ID

Marshall, J.M. February 2023. Support for Small Grains Research Report - Proposal and Progress report. Idaho Wheat Commission and Idaho Barley Commission. Research Review. Video recording for February 22-23, 2023. Boise, ID

Marshall, J.M. Presentation to growers associated with Bingham Ag Services. Seed treatments for disease control in wheat and barley. 63 growers, March 1, 2023. Invited.

Marshall, J.M. Small Grain Production, Diseases and Extension Variety Trials. Cereals Field day – Minidoka. Extension Variety Trials and Diseases. May 11, 2023.

Marshall, J.M. Small Grain Production, Diseases and Extension Variety Trials. Aberdeen UI and LCS joint field day. July 19, 2023.

Marshall, J.M. Small Grain Production, Diseases and Extension Variety Trials. Soda Springs Extension Variety Trial field day. July 25, 2023.

Marshall, J.M. Small Grain Production, Diseases and Extension Variety Trials. Tetonia Extension Variety Trial field day. July 26, 2023.

Marshall, J.M. and B. Yimer. 2022. University of Idaho and LCS Cereals Field Day. Aberdeen R&E Center. FHB Nursery Screening and Fungicide Trials Tour. 49 people.

Marshall, J.M. Plant Sciences Visions – the Future of Plant Sciences. Dean’s Advisory Board Meeting Feb 21, 2022. Boise, ID. Invited.

Piaskowski J, Tay J, Galvin E, Davis J, Graebner R, Jones S, Neely C, Schroeder K, Van Vleet S, Walsh OS, and J Marshall. W.A.V.E. – Western Agricultural Variety Explorer. 2022. Dryland Field Day Abstracts: Highlights of Research Progress. Virtual

Marshall, J.M. Presentation to growers associated with Bingham Ag Services. Seed treatments for disease control in wheat and barley. 63 growers, March 9, 2022. Invited.

Marshall, J.M., Yimer, B., Shelman, T., Jones, L., Hatch, J., Moll, M., and Windes, S.M. Cereal Variety Trial Results for 2021. University of Idaho Cereal Schools, Online Feb 2, 2022. 128 attending. 1 hour

Marshall, J.M., Yimer, B., Shelman, T., Jones, L., Hatch, J., Moll, M., and Windes, S.M. Cereal Disease Update and integrated approaches to common cereal diseases in Idaho. University of Idaho Cereal Schools, Online Feb 2, 2022. 128 attending. 0.5 hour

Marshall, J.M. Invited Panel Speaker: December 2, 2021. “Looking to the Future: A PNW Variety Testing Panel Discussion”. 1.25 hours. Dr. Kurtis Schroeder, Dr. Ryan Coombs-Graebner, Dr. Clark Neely, Jim Moyer (Moderator). 29 people. 5 women.

Guest Seminars.

Marshall, J.M. Head Blight in Cereals in Idaho, Oct 25, 2019. UI PISc501 Plant Sciences Seminar Series.

Marshall, J.M. Emerging Diseases in the Intermountain West – Managing an Old Disease in New Environments – It’s New to Me! March 22, 2017. Oklahoma State University, Plant Science Seminar Series, invited by Dr. Robert Hunger, Stillwater, OK.

Marshall, J.M. Falling Numbers Mystery in 2011 Grain Harvest. March 1, 2012. Plant Sciences Seminar Series. Utah State University

Marshall, J.M. 2019. Head Blight of Cereals in Western Cereal Production. Plant Sciences Seminar Series. Aberdeen / Moscow, October 25, 2019. Invited by Dr. Xi Liang, Plant Sciences Department.

Marshall, J.M. 2016. New Disease Pressures In Western Cereal Production. Utah State University Plant Sciences Seminar Series. Logan, UT. October 3, 2016. Invited by USU.

SCHOLARSHIP ACCOMPLISHMENTS:

Publications, Exhibitions, Performances, Recitals:

Refereed Publications:

Books:

Damon Smith, Kiersten Wise, Anna Freije, Adam Sisson, Albert Tenuta, Andrew Friskop, Emmanuel Byamukama, Juliet M. Marshall, Mary Burrows, and Daren Mueller. 2020. A Farmer’s Guide to Wheat Diseases. APS Press, MN.

Book Chapter:

Marshall, J.M., McMullen, M., Burrows, M. 2022. Diseases of Barley *In: Diseases of Field Crops*. Hollier, Clayton (ed). APS Press, MN.

Smiley, R.W. and Marshall, J.M. 2015. Resistance and tolerance of spring wheat and barley to *Heterodera avenae* in the USA. In. A.A. Dababat and R.W. Smiley (eds.). *Nematodes of Small Grain Cereals: Current Status and Research*. FAO, Rome, Italy. ISBN:978-92-5-108878-4. copyright FAO, 2015.

Refereed / Adjudicated:

Rogers, C.W., J.A. Spackman, D.D. Tarkalson, G. Hu, J.M. Marshall, O. Adeyemi, and C. Evans. 2025. Irrigated spring hull-less food barley response to nitrogen fertilizer. *Soil Sci. Soc. of Am. J.* 2025;89:e70029. <https://doi.org/10.1002/saj2.70029>.

Yimer, B.A., Patterson, R.E., Marshall, J.M. 2025. Development and validation of a quantitative PCR assay method to assess relative resistance of winter wheat to dwarf bunt at early growth stages. *Crop Science* 65:1 e21422 First published: 13 December 2024 <https://doi.org/10.1002/csc2.21422>.

Adams, C.B., Kongraksawech, T., Ross, A., Long, D., Neely, C., Marshall, J.M., Graebner, R., Reardon, C., Liang, X. 2024. As grain mineral densities have declined over time, have densities converged across wheat classes?—Insights from the U.S. Pacific Northwest and worldwide benchmarks. *Journal: Crop Science*. Accepted Oct 2024.

Adams, C.B., Rogers, C.W., Marshall, J.M., Hatzenbuehler, P., Thurgood, G., Dari, B., Loomis, G., Walsh, O.S., Tarkelson, D.D. 2024. Uptake and Economic Value of Macro- and Micronutrient Minerals in Wheat Residue. *Agronomy* 14: 1795-1812. <https://doi.org/10.3390/agronomy14081795>

Rogers, C.W., Adams, C.B., Marshall, J.M., Hatzenbuehler, P., Thurgood, G., Dari, B., Loomis, G., Tarkelson, D.D. 2024. Barley residue biomass, nutrient content, and relationship with grain yield. *Crop Science* 2024;1-23 DOI: 10.1002/csc2.21263.

Hu, G., Evans, C., Satterfield, K., Ellberg, S., Marshall, J.M., Schroeder, K., Obert, D.E. 2024. Registration of 'Gemcraft' Spring Malting Barley Cultivar. *Journal of Plant Registrations*. 18 (1):11-16. <https://doi.org/10.1002/plr2.20331>

Chen, J., J. Wheeler, J. M. Marshall, X.M. Chen, S. Windes, M. Su, B. Yimer, K. Schroeder, C. Wilson, C. Jackson. 2023. Release of 'UI Gold' Hard White Spring Wheat. *J. of Plant Reg.* 18:104-112. Published online 9/14/2023. <http://doi.org/10.1002/plr2.20309>

Rogers, C., J.M. Marshall, M. Moll, C. Curl. 2023. Bromide Concentrations in Agronomic Crops following Methyl Bromide Fumigation in Southeastern Idaho. (JEQ-2023-05-0120-TR) *Journal of Environmental Quality*. <https://doi.org/10.1002/jeq2.20529>

Yang, J, Yang, Y., Liang, X., Marshall, J.M., Neibling, W.H. 2023. Impact of drought stress on spring wheat grain yield and quality. *Agrosystems, Geosciences & Environment*. 2023. (Published 02 March 2023) DOI: 10.1002/agg2.20351

Ensafi, P., Smiley, R.W., Moll, M.T., Rashed, A., Jackson, C.A., Marshall, J.M.* **2023**. Resistance and Tolerance Screening of Spring Wheat Cultivars to Cereal Cyst Nematode *Heterodera avenae*. *Plant Disease*. Sept 1, 2023. pp. 2729-2735 <https://doi.org/10.1094/PDIS-08-22-1820-RE> *corresponding author

Liang, X., Neibling, H., Yang, J., Marshall, J.M. End-use quality of spring wheat under drought stress at different growth stages. *Agrosystems, Geosciences & Environment*. 2023. Pp 1-9. Accepted 1/15/23. DOI: 10.1002/agg2.20351.

Walsh, O.S., Marshall, J.M., Jackson, C., Nambi, E., Shafian, S., Jayawardena, D.M., Lamichhane, R., Owusu Ansah, E., McClintick-Chess, J.R. 2022. Wheat yield and protein estimation with handheld- and UAV-based reflectance measurements. *Agrosystems, Geosciences & Environment* 2022, 4. DOI:10.1002/agg2.20309

Walsh, O.S.; Marshall, J.M.; Nambi, E.; Jackson, C.A.; Ansah, E.O.; Lamichhane, R.; McClintick-Chess, J.; Bautista, F. 2023. Wheat Yield and Protein Estimation with Handheld and Unmanned Aerial Vehicle-Mounted Sensors. *Agronomy* 2023, 13, 207. <https://doi.org/10.3390/agronomy13010207>

Pizolotto, Carlos A.; Harrington, Miranda; Brown, Lara; Murdock, Mackade; Harrington, Stephanie; Marshall, Juliet; Neher, Oliver T.; Woodhall, James W.A real-time PCR assay for *Erysiphe betae* and its effectiveness when used with different spore trapping methods. *European Journal of Plant Pathology*. Feb 2022, Vol. 162 Issue 2, p329-341. 13p.

Walsh, O.S., Marshall, J.M., Jackson, C., Nambi, E., Shafian, S., Jayawardena, D.M., Lamichhane, R., Owusu Ansah, E., McClintick-Chess, J.R. Wheat yield and protein estimation with handheld- and UAV-based reflectance measurements. *Agrosystems, Geosciences & Environment* 2022, 4. DOI:10.1002/agg2.20309

Walsh, O.S., Marshall, J.M., Nambi, E., Shafian, S., Jayawardena, D., Jackson, C, Lamichhane, R., Owusu, E.A., McClintick-Chess, J. 2022. Spring wheat yield and grain quality response to nitrogen rate. *Agronomy Journal*. 2022, 13(1), 2562-2572. <http://doi.org/10.1002/agj2.21101> Published: 10 January 2023

Strawn, D., Mohotti, D., Carp, E., Liang, X., Chen, J., Schroeder, K., Marshall, J.M. 2022. Cadmium concentrations in Idaho wheat grain and soil. *Agrosystems, Geosciences & Environment* 5(3):e20288. <https://doi.org/10.1002/agg2.20288>

Li, X., Guo, T., Bai, G., Zhang, Z., Marshall, J.M., Garland-Campbell, K.A., Yu, J. 2022. Genetics-inspired data-driven approaches explain and predict crop performance fluctuations attributed to changing climatic conditions. *Mol Plant*. 2022 Feb 7;15(2):203-206. doi: 10.1016/j.molp.2022.01.001. Epub 2022 Jan 5

Rashidi, M., Cruzado, R., Hutchinson, P.J.S., Bosque-Perez, N.A., Marshall, J.M. and Rashed, A. 2021. Grassy weeds and corn as potential sources of Barley yellow dwarf virus (BYDV-PAV) spread into winter wheat. *Plant Disease*, 105:444-449.

Woodhall, J.W., Brown, L., Harrington, M., Pizolotto, C.A., Keith, S., Marshall, J.M. 2020. First Report of *Rhizoctonia solani* AG 11 causing stem rot of *Phaseolus vulgaris* stems in Idaho. *Plant Dis*. 104(9) <https://doi.org/10.1094/PDIS-03-20-0666-PDN>

Rashidi, M., Cruzado, R.K., Hutchinson, P.S.J., Bosque-Perez, N.A., Marshall, J.M. and Rashed, A. 2020. Grassy weeds and corn as potential sources of Barley yellow dwarf virus (BYDV) spread onto winter wheat. *Plant Dis*. 105:444-449.

Pizolotto, C.A., Brown, L., Harrington S., Murdock, M., Harrington M., Woodhall, J.W., Moll, M., Marshall, J.M. 2020. First Report of *Rhizoctonia solani* AG4 HG-II infecting barley stems in Idaho. *Plant Dis*. 104:3058.

Chen, J., Wheeler, J., Klassen, N., Zhao, W., O'Brien, K., Jackson, C., Marshall, J.M., Schroeder, K., Chen, X.M. 2020. Registration of 'UI Bronze Jade' hard white winter wheat. *Journal of Plant Registrations*. 14(3):357-364.

Kruse, E., Carter, A., Klos, K., Marshall, J.M., Murray, T. 2019. Evaluating Selection of a Quantitative Trait: Snow Mold Tolerance in Winter Wheat. *Agrosyst. Geosci. Environ*. 2:190059 (2019) doi:10.2134/age2019.07.0059.

Hu, G., Evans, C.P., Satterfield, K., Ellsberg, S., Marshall, J.M., Schroeder, K., Obert, D.E. 2019. Registration of 'Goldenhart', a Two-Rowed Spring Food Barley. *J. of Plant Registrations* 13:119-122. doi:10.3198/jpr2018.10.0067crc

Liang X, Rashidi M, Rogers CW, Marshall J.M., Price, W.J., and Rashed A. 2019. Winter wheat (*Triticum aestivum* L.) response to Barley yellow dwarf virus at different nitrogen application rates in the presence and absence of its aphid vector, *Rhopalosiphum padi* L. (Hemiptera: Aphididae). *Entomologia Experimentalis et Applicata*. 2019:1-10. DOI:10.1111/eea.12748. <http://dx.doi.org/10.1111/eea.12748>

Baldwin, T.T., Arcibal, S.M., Klos, K., Bregitzer, P., Marshall, J.M. 2019. Deletion of the benzoxazinoid detoxification gene NAT1 in *Fusarium graminearum* reduces deoxynivalenol in spring wheat. *PLoS ONE* 14(7): e0214230. <https://doi.org/10.1371/journal.pone.0214230>

Ensafi, P., Crowder, D.W., Esser, A.D., Zhao, Z., Marshall, J.M., Rashed, A. 2018. Soil Type Mediates the Effectiveness of Biological Control Against *Limonius californicus* (Coleoptera: Elateridae) *Journal of Economic Entomology*. Sep 2018, 111(5):2053-2058.

Walsh, O., Shafian, S., Marshall, J.M., Jackson, C., McClintick-Chess, J.R., Blanscet, S.M., Swoboda, K., Thompson, C. 2018. Assessment of UAV Based Vegetation Indices for Nitrogen Concentration Estimation in Spring Wheat. *Advances in Remote Sensing*. 2018(7):71-90.

Bissonnette, K., Wharton, P., Chen, J., Marshall, J.M. 2018. Survey of *Fusarium* species associated with Fusarium head blight in southeastern Idaho. *Plant Health Progress*.19:125-127. <https://doi.org/10.1094/PHP-10-17-0066-S>

Kidwell, K. K., Kuehner, J. S., Shelton, G. B., DeMacon, V. L., Ryneerson, S., Chen, X.M., Guy, S.O., Marshall, J. M., Engle D.A., See, D.R., Morris, C. F., and Pumphrey, M.O. 2018. Registration of 'Dayn' Hard White Spring Wheat. *Journal of Plant Registrations* 2018 12:2: 222-227. doi:10.3198/jpr2017.10.0075crc

Chen, J., Wheeler, J., Zhao, W., Klassen, N., O'Brien, K., Marshall, J.M., Jackson, C., Schroeder, K., Higinbotham, R., and Chen, X. 2017. Registration of 'UI Sparrow' wheat. *Journal of Plant Registrations*. doi:10.3198/jpr2017.04.0021erc

Liang, X., Strawn, D., Chen, J., Marshall, J.M. Variation in cadmium accumulation in spring wheat cultivars: uptake and redistribution to grain. *Plant and Soil* (2017). Pp.1-13. <https://link.springer.com/article/10.1007%2Fs11104-017-3454-z>

Bregitzer, P., Hu, G., Marshall, J.M., and Rayboy, V. 2017. Registration of 'Sawtooth' low-phytate, hullless, spring barley. PR-2016-09-0049-CRC. *Journal of Plant Registrations* 2017 Vol. 11 No. 2:81-84. doi:10.3198/jpr2016.09.0049erc

Rashed, A., Rogers, C.W., Rashidi, M., Marshall, J.M. 2016. Sugar beet wireworm *Limonius californicus* damage to wheat and barley: evaluations of plant damage with respect to soil media, seeding depth, and diatomaceous earth application. *Arthropod-Plant Interactions*, 11(2), 147-154. DOI 10.1007/s11829-016-9474-4.

Hu, G., Evans, C.P., Satterfield, K., Ellberg, S., Marshall, J.M., Obert, D.E. 2016. Registration of 'Kardia', a Two-Rowed Spring Food Barley. *J. of Plant Registrations*. Vol. 10 No. 3, p. 213-216. doi:10.3198/jpr2015.12.0073erc.

Smiley, R., and Marshall, J.M. 2016. Detection of dual *Heterodera avenae* resistance plus tolerance traits in spring wheat. *Plant Dis.* 100:1677-1685. <http://apsjournals.apsnet.org/doi/pdfplus/10.1094/PDIS-09-15-1055-RE>

Bregitzer, P., Hu, G., Marshall, J.M., and Rayboy, V. 2016. Registration of 'Harriman' low-phytate, hulled spring barley. *J. of Plant Registrations*. 10:105-108. doi:10.3198/jpr2015.09.0050erc

Marshall, J.M. and Smiley, R.W. 2016. Spring barley resistance and tolerance to the cereal cyst nematode *Heterodera avenae*. *Plant Disease*.100:2(396-407). <http://apsjournals.apsnet.org/doi/pdf/10.1094/PDIS-05-15-0498-RE>

Chen, J., Wheeler, J., O'Brien, K., Zhao, W., Klassen, N., Zhang, J., Bowman, B., Wang, Y., Jackson, C., Marshall, J.M., Chen, X.M. 2015. Registration of 'UI Platinum' Hard White Spring Wheat. *J. Plant Registration* 10:36-40. DOI:10.3198/jpr2015.06.0037cr

Marshall, J.M., K. Kinzer, and R. Brueggeman. 2015. First Report of *Pyrenophora teres f. maculata*, the cause of spot form net blotch of barley in Idaho. *Plant Disease* 99(12):1860. <http://apsjournals.apsnet.org/doi/pdfplus/10.1094/PDIS-03-15-0349-PDN>

Raboy, V., Peterson, K., Jackson, C., Marshall, J.M., Hu, G., Saneoka, H., and Bregitzer, P. 2015. A Substantial Fraction of Barley (*Hordeum vulgare* L.) Low Phytic Acid Mutations Have Little or No Effect on Yield Across Diverse Production Environments. *Plants* 4:225-239. doi:10.3390/plants4020225

Meints, B., Brouwer, B.O., Brown, B., Cuesta-Marcos, A., Jones, S., Kolding, M., Fisk, S., Marshall, J.M., Murphy, K., Petrie, S., Rhinhart, K., Ross, A.S., and Hayes, P.M. 2015. Registration of #STRKR Barley Germplasm. *J. of Plant Registrations*. 9:3:388-392. doi:10.3198/jpr2014.09.0066crg

Meints, B., A. Cuesta-Marcos, A. S. Ross, S. Fisk, T. Kongraksawech, J.M. Marshall, K. Murphy, and P.M. Hayes. 2015. Developing Winter Food Barley for the Pacific Northwest of the US. *Crop Science*. 55:4:1563-1573. doi:10.2135/cropsci2014.10.0710

G. Hu, D.E. Obert, C.P. Evans, K. Satterfield, S. Ellberg, J.M. Marshall, A. Budde, and C. Martens. 2014. Registration of 'Merem' Spring Malting Barley. *J. of Plant Registrations* 8:233-235.

Zhang, J., J. Chen, B. Bowman, K. O'Brien, J.M. Marshall, and J.M. Bonman. 2014. Association Mapping of Hagberg Falling Number in Hard White Spring Wheat. *Crop Sci.* 54:1243-1252. doi: 10.2135/cropsci2013.08.0551

- Oliver, R.E., E. Islamovic, D.E. Obert, M.L. Wise, L.L. Herrin, A. Hang, S.A. Harrison, A. Ibrahim, J.M. Marshall, K.J. Miclaus, G.R. Lazo, G. Hu, and E. Jackson. 2014. Comparative Systems Biology Reveals Allelic Variation Modulating Tocochromanol Profiles in Barley (*Hordeum vulgare* L.). PLOS ONE 9(5): e96276. doi:10.1371/journal.pone.0096276
- Islamovic, E., D.E. Obert, A.D. Budde, M. Schmitt, R. Brunick II, A. Kilian, S. Chao, G.R. Lazo, J.M. Marshall, E.N. Jellen, P.J. Maughan, G. Hu, K.E. Klos, R.H. Brown, and E.W. Jackson. 2014. QTL of barley malting quality trait components in the Stellar/01Ab8219 mapping population. Molecular Breeding. 34(1):59-73. doi:[10.1007/s11032-014-0017-3](https://doi.org/10.1007/s11032-014-0017-3)
- Islamovic, E., D.E. Obert, R.E. Oliver, J.M. Marshall, K.J. Miclaus, A. Hang, S. Chao, G. Lazo, S.A. Harrison, A. Ibrahim, E.N. Jellen, P.J. Maughan, R.H. Brown, and E.W. Jackson. 2013. A new genetic linkage map of barley (*Hordeum vulgare* L.) facilitates genetic dissection of height and spike length and angle. Field Crops Research journal. Field Crops Res. (2013). In Press, Corrected Proof, Available online 23 August 2013. <http://dx.doi.org/10.1016/j.fcr.2013.06.001>
- Chen, J., J. Wheeler, J. Clayton, W. Zhao, K. O'Brien, C. Jackson, J. M. Marshall, B.D. Brown, K. Campbell, X.M. Chen, R. Zemetra, and E.J. Souza. 2013. Registration of 'UI Stone' Wheat. J. Plant Registration 7: 321-326.
- Smiley, R. W., J.M. Marshall, J.A. Gourlie, T.C. Paulitz, S.L. Kandel, M.O. Pumphrey, K. Garland-Campbell, G.P. Yan, M.D. Anderson, M. Flowers, and C.A. Jackson. 2013. Spring wheat tolerance and resistance to *Heterodera avenae* in the Pacific Northwest. Plant Disease 97: 590-600. <http://apsjournals.apsnet.org/doi/pdf/10.1094/PDIS-10-12-0906-RE>
- Stark, J.C., Love, S.L., King, B.A., Marshall, J.M., Bohl, W.H., and Salaiz, T. 2013. Potato Cultivar Response to Seasonal Drought Patterns. American Journal of Potato Research. Am. J. Potato Res. 90(3):207-216. DOI 10.1007/s12230-012-9285-9. <http://www.springerlink.com/openurl.asp?genre=article&id=doi:10.1007/s12230-012-9285-9>
- Obert, D.E., Hang, A., Hu, G., Burton, C., Satterfield, K., Evans, C.P., Marshall, J.M. and Jackson, E.W. 2013. Registration of 'Julie' High beta-Glucan Spring Barley. *Journal of Plant Registrations*. Vol. 7(1):1-4. doi:10.3198/jpr2011.12.0639crc
- Islamovic, E., Obert, D.E., Oliver, R.E., Harrison, S.A., Ibrahim, A., Marshall, J.M., Miclaus, K.J., Hu, G., Jackson, E.W. 2012. Genetic dissection of grain beta-glucan and amylose content in barley (*Hordeum vulgare* L.). Mol Breeding DOI 10.1007/s11032-012-9764-1.
- Smiley, R.W., Gourlie, J.A., Rhinhart, K.E.L., Marshall, J.M., Anderson, M.D. and Yan, G. 2012. Influence of Nematicides and Fungicides on Spring Wheat in Fields Infested with Soilborne Pathogens. Plant Dis. 96:1537-1547.
- Chen, J., Souza, E. J., Guttieri, M. J., O'Brien, K., Wheeler, J., Sorensen, L., Clayton, J., Chen, X.M., Goates, B. J., Hole, D., Brown, B. D., Marshall, J. M., and R. Zemetra. 2012. Registration of 'UI SRG' Wheat. *Journal of Plant Registrations*, Vol. 6, No. 1:66-70. doi:10.3198/jpr2011.06.0318crc
- Obert, D.E., A. Hang, G. Hu, C. Burton, K. Satterfield, C.P. Evans, J.M. Marshall, and E.W. Jackson. 2011. Registration of 'Transit' high beta-glucan barley. *Journal of Plant Registrations* Vol. 4: No. 5:1-3. DOI 10.3198/jpr2010.09.0539crc.
- Smiley, R. W., Marshall, J. M., and Yan, G. P. 2011. Effect of foliarly-applied spirotetramat on reproduction of *Heterodera avenae* on wheat roots. Plant Dis. 95:983-989.
- Chen, J., Souza, E.J., Zemetra, R.S., Bosque-Perez, N.A., Guttieri, M.J., Wheeler, J., O'Brien, K.L., Windes, J.M., Guy, S.O., Brown, B.D., Chen. X.M. 2010. Registration of 'UI Winchester' Spring Wheat. *Journal of Plant Registrations* 4:224-227.

- Jackson, C.A., Windes (Marshall)*, J.M., Bregitzer, P., Obert, D.E., Price, W., and Brown, B. 2009. Phosphorus fertility effects on the expression of the low phytic acid barley phenotype." *Crop Sci.* 49:1800-1806. *corresponding author as major professor
- Chen, J., Souza, E.J., Zemetra, R.S., Bosque-Perez, N.A., Guttieri, M.J., Wheeler, J., O'Brien, K.L., Windes, J.M., Guy, S.O., Brown, B.D., Chen, X.M. 2009. Registration of 'Cataldo' Spring Wheat. *Journal of Plant Registrations* 3:264-268.
- Obert, D., Evans, C., Windes, J.M., Wesenburg, D., Ullrich, S., Budde, A., Chen, X., and Jackson, E.W. 2009. Registration of 'Endeavor' Winter Barley. *Journal of Plant Registrations* Vol. 3: 124-126.
- Obert, D.E., Evans, C.P., Wesenburg, D.M., Windes, J.M., Erickson, C.A., Jackson, E.W., Chen, X., and Whitmore, J.C. 2008. Registration of 'Lenetah' Spring Barley. *Journal of Plant Registrations* 2:85-87.
- Bregitzer, P., Raboy, V., Obert, D. E., Windes, J.M., and Whitmore, J. C. 2008. Registration of 'Clearwater' Low-Phytate Hullless Spring Barley. *Journal of Plant Registrations* 2:1-4. doi:10.3198/jpr2007.07.0388crc
- Bregitzer, P., Mornhinweg, D. W., Obert, D. E., and Windes, J.M. 2008. Registration of 'RWA 1758' Russian Wheat Aphid-Resistant Spring Barley. *Journal of Plant Registrations* 2008 2:5-9.
- Obert, D.E., Wesenburg, D., Erickson, C., Burrup, D., Windes, J.M., and Whitmore, J.C. 2008. Registration of 'Tetonia' two-row feed barley. *Journal of Plant Registrations* 2:10-11.
- Bregitzer, P., Raboy, V., Obert, D. E., Windes, J.M., and Whitmore, J. C. 2007. Registration of 'Herald' Barley. *Crop Sci.* 47:441-442. doi:10.2135/cropsci2006.07.0480
- Strausbaugh, C.A., and Windes, J.M. 2006. Influence of subsoiling on direct seeded cereals in Southeastern Idaho. *Can. J. Pl. Path.* 28:596-608.
- Guttieri, M.J., Stark, J.C., Windes, J., O'Brien, K.M., and Souza, E. 2006. Managing Nitrogen Fertilizer of Soft White Spring Wheats for Optimum Quality. *Can J. Plant Sci.* 86:459-464.
- Souza, E., Windes, J.M., Sunderman, D.W., and O'Brien, K. 1999. Registration of 'Boundary' Wheat. *Crop Sci.* 39:296.
- Souza, E., Windes, J.M., Sunderman, D.W., and O'Brien, K. 1999. Registration of 'Jefferson' Wheat. *Crop Sci* 39:296-297.
- Zemetra, R.S., Souza, E.J., Lauver, M., Windes, J., Guy, S.O., Brown, B., Robertson, L., and Kruk, M. 1998. Registration of 'Brundage' Wheat. *Crop Sci.* 38:1404.
- Mohammad, F., Windes, J.M., and Souza, E.J. 1997. Total non-structural carbohydrates in winter wheat cultivars segregating for snow mold tolerance. *Crop Sci.* 37:108-112.
- Souza, E., Windes, J.M., Sunderman, D.W., and O'Brien, K.. 1997. Registration of 'Whitebird' wheat. *Crop Sci.* 37:1009.
- Souza, E., Windes, J.M., Sunderman, D.W., and O'Brien, K. 1997. Registration of 'Pomerelle' wheat. *Crop Sci.* 37:1010-1011.
- Souza, E., Windes, J.M., Guy, S.O., Robertson, L., Sunderman, D.W., and O'Brien, K.. 1997. Registration of 'Idaho 377s' wheat. *Crop Sci.* 37:1393.
- Souza, E., Windes, J.M., Quisenberry, S.S., Schotzko, D.J., Lamb, P.F., Halbert, S., Zemetra, R.S., and Smith, C.M. 1997. Registration of Idaho 471A and 471B wheat germplasms. *Crop Sci.* 37:1031.

Souza, E., Windes, J.M., Quisenberry, S.S., Schotzko, D.J., Lamb, P.F., Halbert, S., Zemetra, R.S., and Smith, C.M. 1997. Registration of Idaho 472 wheat germplasm. *Crop Sci.* 37:1032.

Souza, E., Windes, J.M., Sunderman, D.W., Whitmore, J., Kruk, M., and Goates, B. 1995. Registration of 'Bonneville' hard red winter wheat. *Crop Sci.* 35:1218-1219.

Windes, J.M., Souza, E., Sunderman, D.W., and Goates, B. 1994. Registration of four dwarf bunt resistant wheat germplasms: Idaho 352, Idaho 364, Idaho 443, and Idaho 444. *Crop Sci.* 35:1239-1240.

Marshall, J.M., and Pedersen, W.L. 1991. An isolate of *Exserohilum turcicum* virulent on maize inbreds with resistance gene *HtN*. *Plant Disease* 75:430.

Publications:

Peer Reviewed/ Evaluated Research Reports:

Marshall, J.M., Abdullah, S., Shelman, T., Jones, L., Hatch, J., and Windes, S.M. 2025. 2024 Small Grains Report, Southcentral and Southeast Idaho Cereals Research and Extension Program. University of Idaho, Idaho Agricultural Experiment Station Bulletin. CIS BUL 212. 153 pp.

Marshall, J.M., Yimer, B., Abdullah, S., Shelman, T., Jones, L., Balfé, C., Hatch, J., and Windes, S.M. 2024. 2023 Small Grains Report, Southcentral and Southeast Idaho Cereals Research and Extension Program. University of Idaho, Idaho Agricultural Experiment Station Bulletin. CIS BUL 209. 145 pp.

Marshall, J.M., Yimer, B., Shelman, T., Jones, L., Hatch, J., and Windes, S.M. 2023. 2022 Small Grains Report, Southcentral and Southeast Idaho Cereals Research and Extension Program. University of Idaho, Idaho Agricultural Experiment Station Bulletin. CIS BUL 206. 161 pp.

Marshall, J.M., Yimer, B., Shelman, T., Jones, L., Hatch, J., Moll, M., and Windes, S.M. 2022. 2021 Small Grains Report, Southcentral and Southeast Idaho Cereals Research and Extension Program. University of Idaho, Idaho Agricultural Experiment Station Bulletin. CIS BUL 205. 159 pp.

Marshall, J.M., Yimer, B., Shelman, T., Jones, L., Baldwin, S., Hogge, J., Hatch, J., Moll, M., and Windes, S.M. 2021. 2020 Small Grains Report, Southcentral and Southeast Idaho Cereals Research and Extension Program. Idaho Agricultural Experiment Station. UI Research Bulletin 204. 150 pp. University of Idaho, Idaho Agricultural Experiment Station Bulletin. CIS BUL 204. 163 pp.

Marshall, J.M., Yimer, B., Shelman, T., Jones, L., Arcibal, S., Hogge, J., Moll, M., Jackson, C., and O'Brien, K. 2020. 2019 Small Grains Report, Southcentral and Southeast Idaho Cereals Research and Extension Program. Idaho Agricultural Experiment Station. UI Research Bulletin 202. 150 pp.

Marshall, J.M., Jackson, C.A., Shelman, T., Jones, L., Arcibal, S., and O'Brien, K. 2019. 2018 Small Grains Report, Southcentral and Southeast Idaho Cereals Research and Extension Program. Idaho Agricultural Experiment Station. UI Research Bulletin 196. 150 pp.

Marshall, J.M., Jackson, C.A., Shelman, T., Jones, L., Arcibal, S., and O'Brien, K. 2018. 2017 Small Grains Report, Southcentral and Southeast Idaho Cereals Research and Extension Program. Idaho Agricultural Experiment Station. UI Research Bulletin 193. 142 pp.

Marshall, J.M., Jackson, C.A., Shelman, T., Jones, L., Arcibal, S., and O'Brien, K. 2017. 2016 Small Grains Report, Southcentral and Southeast Idaho Cereals Research and Extension Program. Idaho Agricultural Experiment Station. UI Research Bulletin 191. 143 pp.

Marshall, J.M., Jackson, C.A., Shelman, T., Jones, L., and O'Brien, K. 2016. 2015 Small Grains Report, Southcentral and Southeast Idaho Cereals Research and Extension Program. Idaho Agricultural Experiment Station. UI Research Bulletin 188. 133 pp.

Marshall, J.M., Jackson, C.A., Shelman, T., Jones, L., and O'Brien, K. 2015. 2014 Small Grains Report, Southcentral and Southeast Idaho Cereals Research and Extension Program. Idaho Agricultural Experiment Station. UI Research Bulletin 186. 125 pp.

Marshall, J.M., Jackson, C.A., Shelman, T., Beck, L., and O'Brien, K. 2014. 2013 Small Grains Report, Southcentral and Southeast Idaho Cereals Research and Extension Program. Idaho Agricultural Experiment Station. UI Research Bulletin 182. 116 pp.

Marshall, J.M., Jackson, C.A., Shelman, T., Beck, L., and O'Brien, K. 2013. 2012 Small Grains Report, Southcentral and Southeast Idaho Cereals Research and Extension Program. Idaho Agricultural Experiment Station. UI Research Bulletin 181. 130 pp.

Marshall, J.M., Jackson, C.A., Shelman, T., Beck, L., and O'Brien, K. 2012. 2011 Small Grains Report, Southcentral and Southeast Idaho Cereals Research and Extension Program. Idaho Agricultural Experiment Station. UI Research Bulletin 180. 101 pp.

Marshall, J.M., Jackson, C.A., Shelman, T., Beck, L., and O'Brien, K. 2011. 2010 Small Grains Report, Southcentral and Southeast Idaho Cereals Research and Extension Program. Idaho Agricultural Experiment Station. UI Research Bulletin 177. 99 pp.

Windes, J.M., Jackson, C.A., Shelman, T., Beck, L., and O'Brien, K. 2010. 2009 Small Grains Report, Southcentral and Southeast Idaho Cereals Research and Extension Program. Idaho Agricultural Experiment Station. UI Research Bulletin 174. 101 pp.

Windes, J.M., Jackson, C.A., Shelman, T., Beck, L., and O'Brien, K. 2009. 2008 Small Grains Report, Southcentral and Southeast Idaho Cereals Research and Extension Program. Idaho Agricultural Experiment Station. UI Research Bulletin 172. 101 pp.

Windes, J.M., Jackson, C.A., Shelman, T., Beck, L., and O'Brien, K. 2008. 2007 Small Grains Report, Southcentral and Southeast Idaho Cereals Research and Extension Program. Idaho Agricultural Experiment Station. UI Research Bulletin 169. 101 pp.

Peer Reviewed/ Evaluated:

Plant Disease Management Reports:

Marshall, J.M., Arcibal, S., Jackson, C.A., Shelman, T. 2019. Foliar fungicides for control stripe rust in irrigated WB 936 hard red spring wheat, Bingham Co, ID, 2018. Plant Disease Management Report (Field, Cereal and Forage Crops) CF189.

Marshall, J.M., Arcibal, S., Jackson, C.A., Shelman, T. 2019. Foliar fungicides for control of Fusarium head blight in irrigated Cabernet hard red spring wheat, Bingham Co, ID, 2018. Plant Disease Management Report (Field, Cereal and Forage Crops) CF190.

Marshall, J.M., Arcibal, S., Jackson, C.A., Shelman, T. 2018. Foliar fungicides for control of Fusarium head blight in irrigated Klasic hard white spring wheat, Bingham Co, ID, 2017. Plant Disease Management Report (Field, Cereal and Forage Crops) CF210.

Marshall, J.M., Arcibal, S., Jackson, C.A., Shelman, T. 2018. Foliar fungicides for control of Fusarium head blight in irrigated Idagold spring barley, Bingham Co, ID, 2017. Plant Disease Management Report (Field, Cereal and Forage Crops) CF211.

Marshall, J.M., Arcibal, S., Jackson, C.A., Shelman, T. 2018. Foliar fungicides for control of foliar diseases in barley, Bingham Co, ID, 2017. Plant Disease Management Report (Field, Cereal and Forage Crops) CF209.

Marshall, J.M., Jackson, C.A., Hogge, J., Shelman, T. 2018. Fungicide seed treatment for control of loose smut disease in Klasic hard white spring wheat, Bingham and Bonneville Co, ID, 2017 Plant Disease Management Report (Seed Treatments) ST008.

Marshall, J.M., Rashidi, Jackson, C., and Rashed, A. 2017. Seed and foliar treatments to reduce impacts of Barley yellow dwarf virus (BYDV) in Idaho, 2015-2016. Plant Disease Management Report CF006.
<https://www.plantmanagementnetwork.org/pub/trial/pdmr/reports/2017/ST008.pdf>

Marshall, J.M., Arcibal, S.M., Jackson, C.A., Shelman, T. 2016. "Foliar fungicides for control of Fusarium head blight in irrigated Klasic hard white spring wheat, Bingham Co., ID, 2015." Plant Disease Management Report CF006.

Marshall, J.M., Arcibal, S.M., Jackson, C.A., Shelman, T. 2016. "Fungicide seed treatment for control of loose smut disease in Klasic hard white spring wheat, Bingham Co, ID, 2015." Bingham Co., ID. Plant Disease Management Report ST001.

Marshall, J.M., Arcibal, S.M., Jackson, C.A., Shelman, T. 2016. "Fungicide seed treatment for control of loose smut disease in Klasic hard white spring wheat, Bingham Co, ID, 2015." Plant Disease Management Report ST002.

Smiley, R.W.; Marshall, J.M. 2014.^[1]^[SEP]"Spring wheat resistance and tolerance to cereal cyst nematode, 2013." March/2014. Plant Disease Management Report. 8:N007.

Smiley, R.W.; Marshall, J.M.^[1]^[SEP] 2014."Spring wheat resistance and tolerance to cereal cyst nematode, 2013". March/2014. Plant Disease Management Report No. 8:N008

Marshall, J.M., Jackson, C.A., and Shelman, T.2014. "Fungicide seed treatments for control of loose smut in spring barley, Bingham Co, ID, 2013." March/2014.^[1]^[SEP]Plant Disease Management Report No. 8:ST023.

Marshall, J.M., Shelman, T., Jackson, C.A. 2014.^[1]^[SEP]"Foliar fungicide treatments for control of stripe rust in spring wheat, Bingham Co, ID, 2013." March/2014.^[1]^[SEP]Plant Disease Management Report No. 8:CF038.

Marshall, J.M., Shelman, T., Jackson, C.A. 2014.^[1]^[SEP]"Foliar fungicide treatments for control of Fusarium head blight and stripe rust in spring wheat, Bingham Co, ID, 2013." March/2014. Plant Disease Management Report No. 8:CF011.

Marshall, J.M., Shelman, T., and Jackson, C.E. 2013. Foliar fungicide treatments for control of stripe rust in spring wheat, Bingham Co, ID, 2012. In section: Cereal and Forage Crops. Plant Disease Management Reports: 7:CF038. <http://www.plantmanagementnetwork.org/pub/trial/pdmr/reports/2013/CF038.pdf>

Marshall, J.M., Shelman, T., and Jackson, C.E. 2013. Foliar fungicide treatments for control of stripe rust in spring wheat, Bingham Co, ID, 2012. In section: Cereal and Forage Crops. Plant Disease Management Reports: 7:CF040. <http://www.plantmanagementnetwork.org/pub/trial/pdmr/reports/2013/CF040.pdf>

Marshall, J.M., Shelman, T., and Jackson, C.E. 2013.Fungicide seed treatments for control of loose smut in spring barley, Bingham Co, ID, 2012.^[1]^[SEP]In section: Seed Treatments. Plant Disease Management Reports: 7:ST019. ^[1]^[SEP] <http://www.plantmanagementnetwork.org/pub/trial/pdmr/reports/2013/ST019.pdf>

Marshall, J.M., Shelman, T. and Jackson, C.A. 2012. Evaluation of seed treatments for testing control of crown and foot rot in winter wheat, Bingham County, Idaho, 2011. Plant Disease Management Reports 6:ST016. The American Phytopathological Society, St. Paul. MN. doi:10.1094/PDMR06/ST016

Marshall, J.M., Shelman, T., and Jackson, C.A. 2012. Evaluation of seed treatments for control of crown and foot rot in winter wheat, Bingham County, Idaho, 2011. Plant Disease Management Reports 6:ST017. The American Phytopathological Society, St. Paul. MN. doi:10.1094/PDMR06/ST017

Marshall, J.M., Jackson, C.A., and Shelman, T. 2012. Fungicide seed treatments for control of loose smut in spring barley, Bingham County, Idaho, 2011. Plant Disease Management Reports 6:ST018. Report No.5:CF027/PDMR05. The American Phytopathological Society, St. Paul. MN. doi:10.1094/PDMR06/ST018

Marshall, J.M., Jackson, C.A., and Shelman, T. 2011. Quilt foliar fungicide treatments for control of stripe rust in spring wheat, 2010. Plant Disease Management Reports. Report No.5:CF027/PDMR05. The American Phytopathological Society, St. Paul. MN.

Windes, J.M., Shelman, T. and Jackson, C.A. 2009. Seed treatments for control of crown and foot rot in winter wheat, 2007-2008. Report No. 3:031/PDMR03. The American Phytopathological Society, St. Paul. MN.

Windes, J.M., Jackson, C.A. and Shelman, T. 2009. Fungicide treatments for control of stripe rusts in spring wheat in Idaho, 2008. Report No. 3:030/PDMR03. The American Phytopathological Society, St. Paul. MN.

Windes, J.M., Jackson, C.A., and Beck, L. 2008. Fungicide and insecticide treatments for control of dryland foot rot and barley mealy bug in 2007. Report No. 2:CF019. DOI:10.1094/PDMR02. The American Phytopathological Society, St. Paul. MN.

Windes, J.M., Jackson, C.A., and Shelman, T. 2008. Fungicide treatments for control of stripe rust in spring wheat in 2007. Plant Disease Management Reports (online). Report No. 2:CF018. DOI:10.1094/PDMR02. The American Phytopathological Society, St. Paul. MN.

Windes, J.M., Jackson, C.A., and Shelman, T. 2008. Fungicide treatments and timing of application for control of stripe rust in spring wheat in 2007. Plant Disease Management Reports (online). Report No. 2:CF017. DOI:10.1094/PDMR02. The American Phytopathological Society, St. Paul. MN.

Windes, J.M., Shelman, T. and Jackson, C.A. 2007. Seed treatments for control of crown and foot rot in winter wheat in 2006. Plant Disease Management Reports (online). Report 1:ST011/PDMR1. The American Phytopathological Society, St. Paul. MN.

Windes, J.M., Jackson, C.A., and Shelman, T. 2007. Seed treatments for control of loose smut and foot and crown rots in spring barley in 2006. Plant Disease Management Reports (online). Report 1:ST010/PDMR1. The American Phytopathological Society, St. Paul. MN.

Windes, J.M., Jackson, C.A., and Shelman, T. 2007. Fungicide treatments for control of stripe rust in spring wheat in 2006. Plant Disease Management Reports (online). Report No. 1:CF015/PDMR1. The American Phytopathological Society, St. Paul. MN.

Windes, J.M., Jackson, C.A., and Shelman, T. 2006. Seed treatments for control of loose smut and root and foot rots in winter barley in Bingham County, ID, 2005. Fungicide and Nematicide Tests (online). Report 61:ST015. DOI:10.1094/FN61. The American Phytopathological Society, St. Paul. MN.

Windes, J.M., Shelman, T. and Jackson, C.A. 2006. Seed treatments for control of loose smut and crown and foot rots in spring wheat in Fremont County, ID, 2005. Fungicide and Nematicide Tests (online). Report 61:ST016. DOI:10.1094/FN61. The American Phytopathological Society, St. Paul. MN.

Windes, J.M., Jackson, C.A., and Shelman, T. 2006. Seed treatments for control of loose smut and foot and crown rots in spring barley in Fremont County, ID, 2005. Fungicide and Nematicide Tests (online). Report No. 61:ST017. DOI:10.1094/FN61. The American Phytopathological Society, St. Paul. MN.

Windes, J.M., Shelman, T. and Jackson, C.A. 2006. Seed treatments for control of loose smut in spring wheat in Fremont County, ID, 2005. Fungicide and Nematicide Tests (online). Report 61:ST018. DOI:10.1094/FN61. The American Phytopathological Society, St. Paul. MN.

Peer Reviewed/ Evaluated Extension Bulletins or Publications:

Friskop, A., Sisson, A., Faske, T., Meyer, R., Betts, A., Martinez Espinoza, A., Marshall, J., Camiletti, B., Telenko, D., Anderson-Onofre, K., Bradley, C., Price, P., Chilvers, M., Wiersma, J., Allen, T., Bish, M., McKelvy, U., Wegulo, S., Bergstrom, G., Cowger, C., Paul, P., Aoun, M., Tenuta, A., Collins, A., Shires,

M., Kelly, H., Obasa, K., Anderson, N., Langston, D., Higgins, D., and Smith, D. 2024. Wheat Disease Loss Estimates from the United States and Ontario, Canada – 2023. Crop Protection Network. CPN 3018-23. <https://doi.org/10.31274/cpn-20240711-0>.

Spackman, Jared, Christopher Rogers, Juliet Marshall, Arash Rashed, Don Morishita. 2023 Spring Barley Quick Facts. CIS1217

Walsh, O.S., Nambi, E., Marshall, J.M., Jackson, C. 2022. Growing Conditions Influence Nitrogen Recommendations University of Idaho Extension BUL 1028.
<https://drive.google.com/file/d/1wTHBTCW5O2CBsAYn9wBSl2ZKx2GidqNF/view>

Cumagun, C., Marshall, J.M., Woodhall, J.W. 2022. Take-all disease of wheat in Idaho. Idaho Agricultural Experiment Station. UI Extension Bulletin. BUL 1029.

Wheat Disease Loss Estimates from the United States and Ontario, Canada — 2021

Crop Protection Network Published: 05/09/2022

DOI: doi.org/10.31274/cpn-20220509-3 CPN-3018-21

Marshall, J.M., Rogers, C.W., Rashed, A., Liang, X., Walsh, O.S., and Adjesiwor, A. 2020. Southern Idaho Hard Spring Wheat Quick Facts. Idaho Agricultural Experiment Station. UI Extension Bulletin 986.

Marshall, J.M., Rogers, C.W., Rashed, A., Liang, X., Walsh, O.S., and Adjesiwor, A. 2020. Southern Idaho Soft White Winter Wheat Quick Facts. Idaho Agricultural Experiment Station. UI Extension Bulletin 984.

Marshall, J.M., Rogers, C.W., Rashed, A., Liang, X., Walsh, O.S., and Adjesiwor, A. 2020. Southern Idaho Hard Winter Wheat Quick Facts. Idaho Agricultural Experiment Station. UI Extension Bulletin 980.

Marshall, J.M., Rogers, C.W., Rashed, A., Liang, X., Walsh, O.S., and Adjesiwor, A. 2020. Southern Idaho Soft White Spring Wheat Quick Facts. Idaho Agricultural Experiment Station. UI Extension Bulletin 979.

Rashed, A., Liang, X., Marshall, J.M. 2019. Wheat Streak Mosaic Virus in Idaho Cereals. University of Idaho, Idaho Agricultural Experiment Station Bulletin. CIS BUL 941.

Lutcher, L.K., Sullivan, C.S., Flowers, M.D., Mundt, C.C., Wysocki, D.J., Rhinhart, K.E.L., Marshall, J.M. 2016. Performance of Hard Red Winter Wheat in Late-planted Fallow. PNW 635. Oregon State University. https://catalog.extension.oregonstate.edu/sites/catalog/files/project/pdf/pnw635_3.pdf

Rashed, A., F. Etzler, C. Rogers, and J.M. Marshall. 2015. Wireworms in Idaho Cereals: A Guide to Monitor Numbers and Identify Predominant Species in the Intermountain Region. University of Idaho, Idaho Agricultural Experiment Station Current Information Series. CIS BUL 898.
<http://www.cals.uidaho.edu/edcomm/pdf/BUL/BUL0898.pdf>.

Rogers, C.W., J.M. Marshall, A. Rashed, D.W. Morishita. 2015. Barley Quick Facts. University of Idaho, Idaho Agricultural Experiment Station Current Information Series. CIS 1217.
<http://www.cals.uidaho.edu/edcomm/pdf/CIS/CIS1217.pdf>

Marshall, J.M. and A. Rashed. CIS: Barley Yellow Dwarf Virus in Idaho Cereal Crops. 2014. University of Idaho, Idaho Agricultural Experiment Station Current Information Series. CIS 1210.
<http://www.cals.uidaho.edu/edcomm/pdf/CIS/CIS1210.pdf>

Smiley, R., Paultiz, T., and J. Marshall. 2012. Controlling Root and Crown Diseases of Small Grain Cereals. PNW Bulletin 639 Dec 2012.

Windes, J.M. and Obert, D.E. CIS: Charles: Two-row Winter Malt Barley, 2009. University of Idaho, Idaho Agricultural Experiment Station Current Information Series. CIS 1166.
<http://info.ag.uidaho.edu/pdf/CIS/CIS1166.pdf>

Windes, J.M., Jackson, C., Koehler, T., Hansen, J. O'Brien, K., Guy, S.O., Brown, B., and Zemetra, R.S. "Bitterroot, Soft White Winter Wheat". 2009. University of Idaho, Idaho Agricultural Experiment Station Current Information Series. CIS 1154. <http://info.ag.uidaho.edu/pdf/CIS/CIS1154.pdf>

Windes, J.M., Patterson, P., Hopkins, B., Ellsworth, J., Olson, K., Dailey, P. "Saving energy and fertilizer costs: Best management practices for Southern Idaho grain producers." 2006. University of Idaho on-line extension publication. CIS 1127. <http://info.ag.uidaho.edu/pdf/CIS/CIS1127.pdf>

Windes, J.M., Patterson, P., Hopkins, B., Ellsworth, J., Brown, B., Olson, K. and Dailey, P. "IBC tackles cost-price squeeze by identifying cost saving measures for Idaho grain producers." Idaho Barley Report, Idaho Barley Commission Winter 2006, Vol 17, no 1.

Peer Reviewed/ Evaluated Proceedings:

Salgado, J.D., Bergstrom, G., Bradley, C., Bowen, K., Byamukama, E., Byrne, A., Collins, A., Cowger, C., Cummings, J., Chapara, V., Chilvers, M.I., Dill-Macky, R., Darby, H.M., Friskop, A., Kleczewski, N., Madden, L.V., Marshall, J., Mehl, H., Negelkirk, M., Stevens, J., Smith, D., Smith, M., Wegulo, S., Wise, K., Yabwalo, D., Young-Kelly, H.M., Paul, P.A. 2017. Efficacy of two-treatment fungicide programs for FHB Management: A multistate coordinated project. Proceedings of the 2017 National Fusarium Head Blight Forum. Dec 3-5, 2017. Page 20. https://scabusa.org/pdfs/NFHB17_Proceedings_PF_Web.pdf

Ensafi, P., Moll, M., Smiley, R.W., Marshall, J.M. 2017. Evaluating spring wheat cultivars' resistance to *Heterodera avenae* in southeastern Idaho, USA. Proceedings of the 6th International Cereal Nematodes Symposium, Agadir, Morocco.

Arcibal, S.M., Baldwin, T.T., Jackson, C.A., Shelman, T., and Marshall, J.M. 2016. Integrated FHB Management of Spring Wheat in Idaho. Contributed presentation (poster) for the USWBSI meeting, St. Louis, MO. Dec 6, 2016.

Dangi, S., Woodhall, J., Fairchild, K.L., Marshall, J.M., and Wharton, P.S. 2016. Detection of mefenoxam resistance in *Pythium ultimum* on barley in Southern Idaho. Proceedings of the 9th Australasian Soilborne Diseases Symposium. Lincoln University, Christchurch, New Zealand. Nov 14-17, 2016.

Arcibal, S.M., Baldwin, T.T., Jackson, C.A., Shelman, T., and Marshall, J.M. 2015. Screening for FHB Susceptibility in Barley Cultivars in the Western U.S. Proceedings of the 2015 National Head Blight Forum, USWBSI meeting, St. Louis, MO. Dec 6-8, 2015.

Arcibal, S.M., Baldwin, T.T., Jackson, C.A., Shelman, T., and Marshall, J.M. 2015. Screening for FHB Susceptibility in Wheat Cultivars in the Western U.S. Contributed presentation (poster) for the USWBSI meeting, St. Louis, MO. Dec 6, 2015.

Marshall, J.M., Chad A. Jackson, Linda Beck, and Tod Shelman. 2012. Cereal Diseases in Idaho 2011 – Stripe Rust Impacts. Proceedings of the 2012 Commodity Schools. University of Idaho Extension.

Marshall, J.M., Tod Shelman., Chad A. Jackson, and Linda Beck. 2012. 2011 Idaho Wheat and Barley Variety Performance Tests and Three-year Summaries. Proceedings of the 2012 Commodity Schools. University of Idaho Extension.

Marshall, J.M., Shelman, T., Jackson, C.A., and Beck, L. Results of the University of Idaho Cereal Variety Trials – 2010. Proceedings of the 2010 Commodity Schools. University of Idaho Extension.

Petrisko, J.E., Sutherland, M.W., and Windes, J.M. Genes involved in Hypersensitive Cell Death Responses During Fusarium Crown Rot Infection in Wheat. Proceedings of the meeting "Plant Health Management: An Integrated Approach". The Australasian Plant Pathology Society, Sept 29-Oct 1, 2009. Newcastle Civic Precinct, NSW Australia. www.australasianplantpathologysociety.org.au.

Windes, J.M., Shelman, T., Jackson, C.A., and Beck, L. 2009. Results of the University of Idaho Cereal Variety Trials – 2008. Proceedings of the 2009 Commodity Schools. University of Idaho Extension.

Windes, J.M., Jackson, C.A., Shelman, T., and Beck, L., 2009. Cereal Diseases – Ug 99 Stem Rust and Disease Update – 2008. Proceedings of the 2009 Commodity Schools. University of Idaho Extension.

Windes, J.M. 2008. Heating Up Idaho Agriculture: Global Warming and Its Impact on Idaho Agriculture. Idaho Potato Conference. Proceedings of the 2008 Commodity Schools. University of Idaho Extension.

Windes, J.M., Jackson, C.A., Beck, L., and Shelman, T. 2008. Cereal Diseases – Foot Rot and Disease Update – 2007. Proceedings of the 2008 Commodity Schools. University of Idaho Extension.

Windes, J.M., Shelman, T., Beck, L., and Jackson, C.A. 2008. Results of the University of Idaho Cereal Variety Trials – 2007. Proceedings of the 2008 Commodity Schools. University of Idaho Extension.

Windes, J.M. Heating up Idaho Agriculture: Global Warming and the Impacts of on Cropping Systems. 2007. Proceedings of the “Practical Paths 2007 Climate Change and Beyond.” Idaho Council for Industry and the Environment and the Idaho Department of Environmental Quality.

Windes, J.M., Shelman, T., and Jackson, C.A. 2007. Results of the University of Idaho Cereal Variety Trials – 2006. Proceedings of the 2007 Commodity Schools. University of Idaho Extension.

Windes, J.M., Jackson, C.A., and Shelman, T. 2007. Cereal Diseases – Foot Rot and Disease Update - 2006. Proceedings of the 2007 Commodity Schools. University of Idaho Extension.

Windes, J.M., T. Shelman, and C.A. Jackson. 2006. Results of Cereal Variety Trials - 2005. Proceedings of the 2006 Commodity Schools. University of Idaho Extension.

Windes, J.M., Jackson, C.A., and Shelman, T. 2006. Stripe Rust of Wheat and Cereal Disease Update. Proceedings of the 2006 Commodity Schools. University of Idaho Extension.

Windes, J.M., Wedel, D., and Shelman, T. 2005. Results of Cereal Trials - 2004. Proceedings of the 2005 Commodity Schools. University of Idaho.

Abstracts:

Abdullah, S., Baldwin, S. A., Yimer, B. A., Dong, Y. H., Balfe, C., Shelman, T., and Marshall, J.M. 2024. Field Evaluation of Fusarium Head Blight Resistance and Mycotoxin Accumulation in Winter Wheat in Southeast Idaho (2020-2024). US Wheat and Barley Scab Initiative Annual Meeting., Dec 8-10, Austin, TX.

Marshall, J.M., Abdullah, S., Jones, L., and Shelman, T. 2024. University of Idaho Uniform Fungicide Trial Results for control of Fusarium head blight in 2024. US Wheat and Barley Scab Initiative Annual Meeting., Dec 8-10, Austin, TX.

Curtis B. Adams¹, Christopher W. Rogers¹, Juliet M. Marshall², Patrick Hatzenbuehler², Olga S. Walsh², Garrett Thurgood², Biswanath Dari², Grant Loomis² 2024. What is the Economic Value of Mineral Nutrients Contained in Wheat Residue? 2023 Dryland Field Day Abstracts

Isaack Kikway¹, Wenderson B. Moraes¹, Shaukat Ali², Keith Ames³, Gary Bergstrom⁴, Mandy Bish⁵, Kira Bowen⁶, Carl Bradley⁷, Martin Chilvers⁸, Alyssa Collins⁹, Christina Cowger¹⁰, Heather Darby¹¹, Erick DeWolf¹², Ruth Dill-Macky¹³, Paul Esker¹⁴, Andrew Friskop¹⁵, Alyssa Koehler¹⁶, Laurence Madden¹, Juliet M. Marshall¹⁷, Kelsey Onofre¹², Guy Padgett¹⁸, Nidhi Rawat¹⁹, Jessica Rutkoski³, Damon Smith²⁰, Darcy Telenko²¹, Stephen Wegulo²², Heather Young-Kelly²³, and Pierce A. Paul^{1*} 2024. Comparative assessment of new Fungicides for Fusarium head blight (FHB) and Deoxynivalenol (DON) management in Wheat. Plant Health 2024. Annual Conference of the American Phytopathological Society.

Rogers, C.W.,^{1,2} J.A. Spackman, D.D. Tarkalson, G. Hu, J. Marshall, C. Evans. 2024. Hull-less Spring Food Barley Response to Nitrogen Fertilization. ASA-CSSA-SSSA Annual Meetings. San Antonio, TX. 9–13 Nov. 2024.

R. Findlay¹, J.A. Spackman,² Adeyemi, O., J. Sagers, J. Marshall, Z. Hong, and J. Bevan. 2023. Barley Yield and Protein Response to Nitrogen and Sulfur Rates and Application Timing. University of Idaho Annual Extension Conference. Sun Valley, ID. 11 – 12 Apr. 2023.

Adeyemi, O.,¹ J.A. Spackman,² J. Sagers, J. Marshall, Z. Hong, R. Findlay, and J. Bevan. 2023. Barley Yield and Protein Response to Nitrogen and Sulfur Rates and Application Timing. Western Nutrient Management Conference. Reno, NV. 8 – 10 Mar., 2023.

Isaack Kikway, Wanderson Buckner Moraes, Gary Bergstrom, Kaitlyn Bissonnette, Kira Bowen, Carl Bradley, Emmanuel Byamukama, Martin Chilvers, Alyssa Collins, Christina Cowger, Heather Darby, Erick DeWolf, Ruth Dill Macky, Paul Esker, Andrew Friskop, Nathan Kleczewski, Alyssa Koehler, David Langston Jr., Laurence Madden, Juliet Marshall, Hillary Mehl, Martin NegelKirk, Nidhi Rawat, Damon Smith, Darcy Telenko, Stephen Wegulo, Heather Young-Kelly and Pierce A Paul. 2023. Fusarium Head Blight Management Coordinated Project: Integrated Management Trials 2023. USWBSI 2023 National Head Blight Forum, Dec 3-6, 2023, Cincinnati, OH.

Isaack Kikway, Wanderson Buckner Moraes, Gary Bergstrom, Kaitlyn Bissonnette, Kira Bowen, Carl Bradley, Emmanuel Byamukama, Martin Chilvers, Alyssa Collins, Christina Cowger, Heather Darby, Erick DeWolf, Ruth Dill Macky, Paul Esker, Andrew Friskop, Nathan Kleczewski, Alyssa Koehler, David Langston Jr., Laurence Madden, Juliet Marshall, Hillary Mehl, Martin NegelKirk, Nidhi Rawat, Damon Smith, Darcy Telenko, Stephen Wegulo, Heather Young-Kelly and Pierce A. Paul. 2023. Fusarium Head Blight Management Coordinated Project: Uniform Fungicide Trials 2023. USWBSI 2023 National Head Blight Forum, Dec 3-6, 2023, Cincinnati, OH.

Abdullah, S., Gao, D., Baldwin, T., Marshall, J.M., Esvelt Klos, K. 2023. Comparative Evaluation of Fusarium Head Blight Inoculation Methods in Barley Under Controlled Conditions: A Comprehensive Analysis. 2023 National Head Blight Forum, Dec 3-6, 2023, Cincinnati, OH.

Piaskowski, J. L., Galvin, E., Marshall, J., Schroeder, K. L., Walsh, O. S., Finkelnburg, D., Davis, J. B., Graebner, R., Neely, C. B., and Jones, S. S. 2023. Tools, software and computing infrastructure for a variety testing datahub. ASA-CSSA-SSSA Annual Meeting, Oct 29-Nov 1, St. Louis, MO

Ensafi, P., Rashed, A., Smiley, R.W., and J.M. Marshall. 2023. First Report of the Cereal Cyst Nematode (*Heterodera filipjevi*) in Idaho, USA. International Congress of Plant Pathology, Lyon, France.

Ensafi, P., Rashed, A., Smiley, R.W., Marshall, J.M. 2023. Occurrence of Natural Populations of Entomopathic Nematode *Steirnernema feltiae* in Cereal Fields of Southeast Idaho. International Congress of Plant Pathology, Lyon, France.

Yimer, B., Balfe, C, Marshall, J.M. 2022. Evaluation of Sphaerex for Control of Fusarium Head Blight and DON in Barley in Southeastern Idaho. US Wheat and Barley Scab Initiative, Abstract and Poster at the USWBSI National Fusarium Head blight Forum, Tampa, FL. December 5-6, 2022

Adeyemi, O., J.A. Spackman, J. Sagers, Z. Hong, J.M. Marshall, J. Bevan, and R. Findlay. 2022. Barley Yield and Protein Response to Nitrogen and Sulfur Rates and Application Timing. ASA-CSSA-SSA Annual Meetings. Baltimore, MD. 6 – 9 Nov. 2022.

Chen, J., M. Krause, F. Xiao, T. Gordon, R. Wang, J. Marshall, B. Goates, and D. Hole. 2022. Research progress on dwarf bunt resistance in winter wheat in the Western US. E-Poster. Beijing, P.R. China. Sep.11-15.

Yimer, B., Baldwin, S.A., Dong, Y., Marshall, J.M. 2022. Evaluation of Spring Wheat Varieties and Breeding Lines to Fusarium Head Blight Southeast Idaho. Abstract and Poster at the American Phytopathological Society Annual Meeting, Pittsburgh, PA. August 5-6, 2022

Baldwin, S.A., Yimer, B., Baldwin, T., Dong, Y., Marshall, J.M. 2021. Determining Fusarium Head Blight resistance of spring barley in Idaho. Abstract and Poster at the USWBSI National Fusarium Head blight Forum, virtual event December 6-7, 2021.

Spackman, J.A. Z. Hong, and J. Marshall. 2021. Barley Response to Nitrogen and Sulfur Fertilization. ASA-CSSA-SSSA Annual Meetings. Salt Lake City, UT. 7-10 Nov. 2021.

Yimer, B., Baldwin, S.A., Baldwin, T.T., Dong, Y. and Marshall, J.M. 2020. Evaluation of winter wheat varieties and selections for FHB resistance in southeast Idaho. Abstract and Poster at USWBSI National Fusarium Head Blight Forum, Milwaukee, WI. Dec 8 – 9, 2020

Baldwin, S.A., Yimer, B.A, Baldwin, T.T., Dong, Y. and Marshall, J.M. 2020. Determining Fusarium Head Blight Resistance in Spring Barley in Idaho. Abstract and Poster at USWBSI National Fusarium Head Blight Forum, Milwaukee, WI. Dec 8 – 9, 2020

Sidrat Abdullah, Eninka Mndowla, Suzette Arcibal Baldwin, Ellen Kress, Ruth Dill-Macky, Mark Earl Sorrells, Patrick Gross, Robert Brueggeman, Carl Griffey, Joshua Fitzgerald, Juliet Marshall, Kathy Klos, and Thomas Baldwin. 2020. Fusarium Head Blight Biomass in Spring Barley Comparing 2018 to 2019 in U.S. Nurseries. Abstract and Poster at USWBSI National Fusarium Head Blight Forum, Milwaukee, WI. Dec 8 – 9, 2020.

Jane Marian Luis, Sin Joe Ng, Gary Bergstrom, Kaitlyn Bissonnette, Kira Bowen, Carl Bradley, Emmanuel Byamukama, Martin Chilvers, Alyssa Collins, Christina Cowger, Heather Darby, Erick DeWolf, Ruth Dill Macky, Paul Esker, Andrew Friskop, Nathan Kleczewski, Alyssa Koehler, David Langston, Jr., Laurence Madden, Juliet Marshall, Hillary Mehl, Wanderson Moraes, Martin NegelKirk, Nidhi Rawat, Damon Smith, Darcy Telenko, Stephen Wegulo, Heather Young-Kelly and Pierce A Paul. 2020. Fusarium Head Blight Management Coordinated Project: Integrated Management Trials 2018-2020. Abstract and Poster at USWBSI National Fusarium Head Blight Forum, Milwaukee, WI. Dec 8 – 9, 2020.

Jane Marian Luis, Sin Joe Ng, Gary Bergstrom, Kaitlyn Bissonnette, Kira Bowen, Carl Bradley, Emmanuel Byamukama, Martin Chilvers, Alyssa Collins, Christina Cowger, Heather Darby, Erick DeWolf, Ruth Dill Macky, Paul Esker, Andrew Friskop, Nathan Kleczewski, Alyssa Koehler, David Langston, Jr., Laurence Madden, Juliet Marshall, Hillary Mehl, Wanderson Moraes, Martin NegelKirk, Nidhi Rawat, Damon Smith, Darcy Telenko, Stephen Wegulo, Heather Young-Kelly and Pierce A Paul. 2020. Fusarium Head Blight Management Coordinated Project: Uniform Fungicide Trials 2018-2020. Abstract and Poster at USWBSI National Fusarium Head Blight Forum, Milwaukee, WI. Dec 8 – 9, 2020.

Piaskowski, J., Marshall, J.M., Hinds, J., Schroeder, K.S., and Walsh, O. 2020. A public database for Idaho Variety Testing programs. ASA-CSSA-SSSA meetings, Nov, 2020.

Rogers, C.W., G. Thurgood, B. Dari, J.M. Marshall, O.S. Walsh, K. Schroeder, and G. Loomis. 2020. Comparison of residue decomposition between surface and incorporated barley, corn, and wheat at varying fertilizer-N rates. (ASA, CSSA, SSSA Meeting, Virtual Nov 2020)

Yimer, B., Arcibal, S., Dong, Y. and Marshall, J.M. 2019. Management of FHB and DON Using Fungicides and Host Resistance in Hard Spring Wheat in Idaho. Abstract and Poster at USWBSI National Fusarium Head Blight Forum, Milwaukee, WI. Dec 8 – 9, 2019.

Mndolwa, E., Griffey, C., Kress, E., Fitzgerald, J., Marshall, J.M., Sorrells, M.E., Baldwin, S.A., Baldwin, T., Bregitzer, P., Klos, K.E. 2019. Evaluation of Aberdeen Barley (*Hordeum Vulgare*) Germplasm for Fusarium Head Blight Resistance. Abstract and Poster at USWBSI National Fusarium Head Blight Forum, Milwaukee, WI. Dec 8 – 9, 2019.

Baldwin, T., Baldwin, S.A., Kress, E., Dill-Macky, R., Sorrells, M.E., Gross, P., Brueggeman, R., Griffey, C., Fitzgerald, J., Marshall, J.M. and Bregitzer, P. 2019. Fusarium head blight biomass measurements in barley from 2018 U.S. nurseries. Abstract and Poster at USWBSI National Fusarium Head Blight Forum, Milwaukee, WI. Dec 8 – 9, 2019.

Paul, P., Ng, S.J., Bergstrom, G., Bissonnette, K., Bradley, C., Byamukama, E., Chilvers, M.I., Collins, A., Cowger, C., Darby, H.M., DeWolfe, E., Dill-Macky, R., Esker, P., Friskop, A., Kleczewski, N., Koehler, A., Madden, L.V., Marshall, J., Mehl, H., Moraes, W., Negelkirk, M., Rawat, N., Smith, D., Talenko, D., Wegulo, S., Young-Kelly, H.M. 2019. Fusarium head blight management coordinated project: Uniform fungicide trials 2018-2019. Abstract and Poster at USWBSI National Fusarium Head Blight Forum, Milwaukee, WI. Dec 8 – 9, 2019.

Marshall, J.M., Ensafi, P., Woodhall, J., Rashed, A., Smiley, R. 2019. Incidence and resistance to *Heterodera avenae* and *H. filipjevi* in cereal production regions in Idaho in the United States. Abstract and Poster at Australasian Plant Pathology Society Meeting, Melbourne, Victoria AU. Nov. 27-29, 2019.

Moore, A., Leytem, A., Rogers, C., Marshall, J.M., 2019. Influence of Mineralizable Nitrogen, Potassium, and Sodium Adsorption Ratio on Lodging, Grain Protein, and Yield in a Manured Wheat Production System. Abstract and Poster at ASA, CSSA, SSSA Meeting, San Antonio, TX. Nov. 10-13, 2019.

Thurgood, G., Rogers, C.W., Dari, B., Marshall, J.M., Walsh, O.W., Schroeder, K.L. 2019. Survey of C:N Ratios of Barley and Wheat Cultivars in Idaho. Abstract and Poster at ASA, CSSA, SSSA Meeting, San Antonio, TX. Nov. 10-13, 2019.

Oropeza, A., Harrington, M., Keith, S., Fairchild, K., Malek, A., Duellman, K., Wharton, P., Marshall, J.M., and Woodhall, J. Spore sampling for the early detection of foliar potato pathogens in Idaho. NPDN Meeting. Indianapolis, IN. April 16-17, 2019.

Arcibal, S.M.S and Marshall, J.M. 2019. Idaho spring wheat varies in susceptibility to Fusarium head blight. Abstract and Poster at APS Meeting Cleveland, OH. August 2 – 7, Cleveland OH. 2019.

Piaskowski, J., Jackson, C., Marshall, J.M., Price, W.J. 2019. Incorporating Spatial Statistics into Routine Analysis of Agricultural Field Trials. Joint Statistical Meeting, Denver, CO. July 27- Aug 1, 2019.
<http://ww2.amstat.org/meetings/jsm/2019/>

Baldwin, T., Arcibal, S.M., Bregitzer, P., and Marshall, J.M. 2018. Deletion of *FgNAT1* reveals a Potential Role of Benzoxazinoids in Suppressing DON Accumulation. Abstract and Poster at USWBSI National Fusarium Head Blight Forum, St. Louis, MO. Dec 2 – 4, 2018.

Arcibal, S., Jackson, C.A., Shelman, T.L., Dong, Y., and Marshall, J.M. 2018. Integrated FHB Management of Spring Wheat in Idaho. Abstract and Poster at USWBSI National Fusarium Head Blight Forum, St. Louis, MO. Dec 2 – 4, 2018.

Arcibal, S., Jackson, C.A., Shelman, T.L., and Marshall, J.M. 2018. Screening for resistance to Fusarium Head Blight in Wheat and Barley in Idaho. Abstract and poster at USWBSI National Fusarium Head Blight Forum, St. Louis, MO. Dec 2 – 4, 2018.

Marshall, J.M. 2018. FHB Now Westward Bound, and New Struggles to Keep DON Down. Abstract. Invited presentation to USWBSI National Fusarium Head Blight Forum, St. Louis, MO. Dec 2 – 4, 2018.

Curl, C., Marshall, J.M., Moll, M., Morra, M., Porter, J., Rogers, C.W., Shewmaker, G. 2018. Assessment of Inorganic Bromide Concentrations in Crops following Soil Fumigation with Methyl Bromide. ASA, CSSA, and CSA International Annual Meeting, Nov. 4-7, 2018 Baltimore, MD.

Walsh, O., Shafian, S., Marshall, J.M. Jackson, C.A, McClintick, J. 2018. UAV-Based Assessment of Nitrogen Response, Uptake and Use Efficiency of Spring Wheat Cultivars, ASA, CSSA, and CSA International Annual Meeting, Nov. 4-7, 2018 Baltimore, MD.

Moore, A., Rogers, C., Leytem, A., Marshall, J.M. Wheat grain yield, grain protein, and bread quality response to repeated dairy manure applications. Oral Presentation. ASA, CSSA, and CSA International Annual Meeting, Nov. 4-7, 2018 Baltimore, MD.

Yu-Lian Lin, He, Y., Leytem, A., Moore, A., Marshall, J.M., Wilson, C., Lin, A.H. Which Component Affects Wheat Falling Numbers: Starch or Protein? AACI Meeting in London, Oct 2018.

Liang, X. Rashed, A., Rogers, C.W., Marshall, J.M. 2018. Evaluating a cover crop mix in the dryland area of southern Idaho. 2018 Dryland Field Day Abstracts, Highlights of Research Progress. Kurtis Schroeder (ed).

Kruse, E.B., Murray, T.D., Marshall, J.M., Carter, A.H. (2018, August). Evaluating Marker Assisted Selection of a Quantitative Trait: Snow Mold Tolerance in Winter Wheat. Poster presented at: National Association of Plant Breeders Annual Meeting. Guelph, Ontario, Canada.
<https://www.plant.uoguelph.ca/sites/www.plant.uoguelph.ca/files/forages/documents/NABP%202018%20Abstracts.pdf>

Marshall, J.M., Arcibal, Dong, Y. 2018. Integrated Fusarium Head Blight Management Under Irrigation in Spring Wheat in Idaho. International Congress of Plant Pathology. Phytopathology 108:S1.179. July 29 - August 3, 2018 Boston, MA. <https://apsjournals.apsnet.org/doi/pdf/10.1094/PHYTO-108-10-S1.1>

Duellman, Kasia M. and Marshall, Juliet M. 2018. Importance of Potato Volunteers as PVY Reservoirs in Idaho, 2018. Abstracts of the papers presented at the 102nd Annual Meeting of the Potato Association of America, July 22-26, 2018, Boise, Idaho. American Journal of Potato Research. (2019) 96:330.
<https://doi.org/10.1007/s12230-019-09723-w>

Arcibal, S.M., Jackson, C.A., Shelman, T. and Marshall, J.M. 2017. Abstract. Integrated FHB management of spring wheat in Idaho. Proceedings of the 2017 National Fusarium Head Blight Forum. Dec 3-5, 2017. Page 3. https://scabusa.org/pdfs/NFHB17_Proceedings_PF_Web.pdf

Arcibal, S.M., Jackson, C.A., Shelman, T. and Marshall, J.M. 2017. Abstract. Screening for resistance to Fusarium Head Blight in spring wheat and barley in Idaho. Proceedings of the 2017 National Fusarium Head Blight Forum. Dec 3-5, 2017. p78. https://scabusa.org/pdfs/NFHB17_Proceedings_PF_Web.pdf

Baldwin, T., Arcibal, S.M., Bregitzer, P.P., Marshall, J.M. 2017. Abstract. Deletion of FgNAT1 reveals a potential role of benzoxazinoids in suppression of DON accumulation. Proceedings of the 2017 National Fusarium Head Blight Forum. Dec 3-5, 2017. Page 43.
https://scabusa.org/pdfs/NFHB17_Proceedings_PF_Web.pdf

Salgado, J.D., Bergstrom, G., Bradley, C., Bowen, K., Byamukama, E., Byrne, A., Collins, A., Cowger, C., Cummings, J., Chapara, V., Chilvers, M.I., Dill-Macky, R., Darby, H.M., Friskop, A., Kleczewski, N., Madden, L.V., Marshall, J., Mehl, H., Negelkirk, M., Stevens, J., Smith, D., Smith, M., Wegulo, S., Wise, K., Yabwalo, D., Young-Kelly, H.M., Paul, P.A. 2017. Efficacy of two-treatment fungicide programs for FHB Management: A multistate coordinated project. Proceedings of the 2017 National Fusarium Head Blight Forum. Dec 3-5, 2017. Page 20. https://scabusa.org/pdfs/NFHB17_Proceedings_PF_Web.pdf

Curl, C., Marshall, J.M., Moll, M., Morra, M., Rogers, C., and Shewmaker, G. 2017. Assessment of Inorganic Bromide Concentrations in Crops Following Soil Fumigation with Methyl Bromide. International Society of Exposure Sciences Annual Meeting in Durham, NC October, 2017.

Ensafi, P., Moll, M., Marshall, J.M. 2017. Evaluating Spring Wheat Cultivars' Resistance to *Heterodera avenae* in Southeastern Idaho, USA. 6th International Cereal Nematodes Symposium. Agadir, Morocco, September 11-15, 2017.

Ensafi, P., Moll, M., Jackson, C.A., Marshall, J.M. 2017. Spring Wheat Resistance to Cereal Nematode, Southeastern Idaho, USA. (Abstr.) Phytopathology 107:S5.75. (APS Annual Meeting, San Antonio, TX. August 4-8, 2017.) <https://apsjournals.apsnet.org/doi/pdf/10.1094/PHYTO-107-12-S5.1>

Arcibal, S.S. and Marshall, J.M. 2017. Assessing Spring Wheat for FHB Susceptibility Idaho. (Abstr.) Phytopathology 107:S5.76. (APS Annual Meeting, San Antonio, TX. August 4-8, 2017.)
<https://apsjournals.apsnet.org/doi/pdf/10.1094/PHYTO-107-12-S5.1>

Dangi, S., Woodhall, J., Fairchild, K.L., Marshall, J.M., and Wharton, P.S. 2016. Detection of mefenoxam resistance in *Pythium ultimum* on barley in Southern Idaho. Poster and Proceedings of the 9th Australasian Soilborne Diseases Symposium. Lincoln University, Christchurch, New Zealand. Nov 14-17, 2016.

Liang, X., Marshall, J.M., Rashed, A., Rogers, C.W. 2016. Barley Yellow Dwarf Virus Effects on Wheat Water and Nitrogen Use Efficiency. ASA Meeting. Phoenix, AZ. Nov 2016.

Kurtis L. Schroeder, K.L. and Marshall, J.M. 2016. Tailoring nitrogen recommendations: varietal response in hard red winter wheat to nitrogen fertilizer application timing. ASA Meeting. Phoenix, AZ. Nov 2016.

Rashidi, M., Marshall, J. M., Bosque-Pérez, N. A., Rashed, A. 2016. Barley yellow dwarf incidence and bird cherry-oat aphid preference in four wheat varieties in Idaho. (Abstr.) Phytopathology 106:S4.91.
<http://dx.doi.org/10.1094/PHYTO-106-12-S4.91>.

Arash Rashed, A., Mahnaz Rashidi, Christopher Rogers and Juliet Marshall. 2016. Wireworms in Idaho cereals: comparison of wireworm damage to wheat and barley with respect to seeding depth and soil media. ESA Presentation #116102 - 2016 Pacific Branch Meeting
<https://esa.confex.com/esa/2016pb/tmp/papers/index.cgi?username=116102&password=936709>.

Rashed, A., Rashidi, M., Rogers, C., Marshall, J.M. 2016. Wireworm damage to wheat and barley in relation to soil media and seeding depth. Pacific Branch Entomological Society of America, Honolulu, HI, April, 2016.

Rashidi, M., Marshall, J.M., Bosque-Perez, N., Rashed, A. 2016. Barley yellow dwarf incidence and the bird cherry-oat aphid preference in four USA wheat varieties. Poster. International Plant Virus Epidemiology Symposium. Avignon, France June 2016.

Hu, G., Satterfield, K., Evans, C., Brueggeman, R., Schwarz, P., and Marshall, J.M. 2015. *Fusarium* Head Blight Resistance of USDA-ARS Breeding Materials in Idaho. Contributed presentation (poster) for the USWBSI meeting, St. Louis, MO. Dec 6, 2015.

Arcibal, S.M., Baldwin, T.T., Jackson, C.A., Shelman, T., and Marshall, J.M. 2015. Screening for FHB Susceptibility in Barley Cultivars in the Western U.S. Contributed presentation (poster) for the USWBSI meeting, St. Louis, MO. Dec 6, 2015.

Arcibal, S.M., Baldwin, T.T., Jackson, C.A., Shelman, T., and Marshall, J.M. 2015. Screening for FHB Susceptibility in Wheat Cultivars in the Western U.S. Contributed presentation (poster) for the USWBSI meeting, St. Louis, MO. Dec 6, 2015.

Christopher W. Rogers, Juliet M. Marshall, Gongshe Hu, Chris Evans, Arash Rashed and Scott Pristupa. 2015. Cultivar, Nitrogen Rate, and Application Timing Effects on Irrigated Winter Malt Barley Nitrogen Uptake. 2015 ASA-CSSA-SSSA.

Liang, X.; Rogers, C.W.; Marshall, J.M.; Hu, G.; Evans, C.; Pristupa, S. 2015. Response of two malt-barley cultivars to phosphorus and sulfur application in an alkaline calcareous soil. November 15-18, 2014. Minneapolis, MN. ASA-CSSA-SSSA Annual Meeting.

Marshall, J.M., Arcibal, S.M.S., Jackson, C.A., and Chen, J. 2014. Screening for FHB Susceptibility in Barley and Wheat Cultivars in the Western U.S. Contributed presentation (poster) for the USWBSI meeting, St. Louis, MO. Dec 8, 2014.

Moore, A., J. Marshall, C. Strausbaugh, A. Leytem, and R. Lentz. 2014. "Should dairy manure be applied to high value crops?" ASA/CSSA/SSSA International Annual Conference, Long Beach, CA, November 2-

5, 2014.

Santosh Nayak, Yueguang Wang, Weidong Zhao, Brian Bowman, Justin Wheeler, Juliet Marshall, Deven See and Jianli Chen. 2014. QTL Conferring Type II Resistance to Fusarium Head Blight in Adapted Wheat Cultivar 'UI Stone' and Its Effect on Yield. Contributed presentation (poster) for the USWBSI meeting, St. Louis, MO. Dec 8, 2014.

Mahnaz Rashidi, Juliet Marshall, Nilsa Bosque-Pérez and Arash Rashed. 2014. Barley Yellow Dwarf Virus complex: Comparing vector-plant-pathogen interaction in winter wheat varieties. 2014 ESA annual Meeting. Abstr. Contributed

Marshall. J. and Smiley, R. 2014. Spring barley resistance and tolerance to cereal cyst nematode. Proc. Pacific Northwest Oilseed/Direct-seed Conference, Kennewick, WA. January 20-22. (abstract).

Smiley, R., and Marshall. J. 2014. Spring wheat resistance and tolerance to cereal cyst nematode. Proc. Pacific Northwest Oilseed/Direct-seed Conference, Kennewick, WA. January 20-22. (abstract).

Emir Islamovic, Donald E. Obert, Rebekah E. Oliver, Kelci J. Miclaus, Eric N. Jellen, Peter J. Maughan, An Hang, Shiaoman Chao, Gerard Lazo, Stephen A. Harrison, Amir Ibrahim, Gongshe Hu, Juliet M. Marshall, Ryan Brown and Eric W. Jackson. 2013. QTLs affecting barley height, spike length and spike angle. Plant and Animal Genome Conference, January 12-16, 2013, San Diego, CA.

Bissonnette, K.M and Marshall, J.M. 2012. A shift in species dominance of FHB fungi in southern Idaho. (Abstr.) Phytopathology 102 (Suppl. 6):S6.7.

Thomas Sweemer, Michael Flowers, Chris Mundt, Stephen Guy, Juliet Marshall, and Doug Finkelnburg. Managing Stripe Rust in Pacific Northwest Winter Wheat. Agronomy Abstract 66-4. 2012. Presented at the 2012 Agronomy Meeting, Oct 22, in Cincinnati, OH.

Junli Zhang, Jianli Chen, Yueguang Wang, Brian Bowman, Justin Wheeler, Weidong Zhao, Katherine O'Brien, Juliet Marshall, Harold Bockelman and J. Michael Bonman. 2012. "Association Mapping of Hagberg Falling Number in Hard White Spring Wheat Accessions." CSSA Abstract 66-4. 2012. Presented at the 2012 Agronomy Meeting, Oct 23, in Cincinnati, OH.

Jianli Chen, Junli Zhang, Yueguang Wang, Brian Bowman, Santosh Nayak, Justin Wheeler, Weidong Zhao, Katherine O'Brien, Juliet Marshall and J. Michael Bonman. 2012. "Evaluation and Utilization of Collection Materials to Solve Idaho Wheat Production Concerns." CSSA Abstract 110-2. 2012. Presented at the 2012 Agronomy Meeting, Oct 22, in Cincinnati, OH.

Bissonnette, K. and J.M. Marshall. 2012. Fusarium head blight in southeastern Idaho. Proceedings of the 2011 Annual Meeting of the American Phytopathological Society. Hawaii. Phytopathology 101:S16.

Smiley, R.W., Marshall, J.M. and Yan, G.P. 2011. Foliar application of Movento reduces reproduction of the *Heterodera avenae* on wheat roots. Annual meeting of the Society of Nematology.

Islamovic, E., Obert, D.E., Marshall, J.M., Jellen, R., Hu, G., and Jackson, E. W. 2011. QTL affecting grain beta-glucan content in Falcon and Azhul barley [abstract]. In: Plant and Animal Genome Conference Proceedings, January 15-19, 2011, San Diego, California. P328.

Windes, J.M., Obert, D.E., Jackson, C.A, and Shelman, T. 2009. Agronomic Practices to Improve Winter Hardiness of Two-row Winter Malt Barley. Agronomy Abstracts, Amer. Soc. of Agron., Nov. 2, 2009.

Windes, J.M., Shelman, T., Jackson, C.A., and Beck, L. 2009. Resistance to crown and foot rot in wheat cultivars grown in Idaho. APS Annual Meeting, August 1-5, in Portland, Oregon, U.S.A. Phytopathology S99:142.

Petrisko, J.E., Sutherland, M.W., and Windes, J.M. 2009. Genes involved in hypersensitive cell death responses during *Fusarium* crown rot infection in wheat. Australasian Plant Pathology Society *Plant Health Management: An integrated Approach*, p84, Newcastle, E3,3,2.

Petrisko, J.E., Windes, J.M., and Sutherland, M.E. 2009. Candidate genes for crown rot resistance identified from transcriptional analysis of *Fusarium culmorum* infection in the wheat cultivars '2-49' and 'Puseas'. Grains Research and Development Corporation Crown Rot Initiative, April 7-8, 2009, Genelg, SA, Australia.

Windes, J.M. and Obert, D.E. 2008. Agronomic Practices to improve winter hardiness of two-rowed winter malt barley 'Charles'. North American Barley Researchers Workshop, Oct 27, 2008, Madison, WI.

Jackson, E., Obert, D., Windes, J.M., Hu, G., Bregitzer, P., Lazo, G., Bockelman, H., and Bonman, M. 2008. Understanding the genetics of barley β -glucan and diastatic power: ARS Aberdeen's initial steps toward marker-assisted selection in barley. North American Barley Researchers Workshop, Oct 27, 2008, Madison, WI.

Petrisko, J.E., and Windes, J.M. 2008. Defense genes and pathways in *Fusarium* crown rot susceptible and partially-resistant Australian wheat seedlings responding to *Fusarium culmorum* infection. *Phytopathology* 98:S125.

Petrisko, J.E., and Windes, J.M. 2008. Differences in plant defense gene expression during *Fusarium* crown rot infection in susceptible and partially-resistant wheat seedlings. Annual meeting of Pacific Division of the American Phytopathological Society, Jackson Hole, WY, June 24th-27th, 2008.

Windes, J.M., Petrisko, J.E., Shelman, T., and Jackson, C.A. 2007. Resistance to *Fusarium* crown and foot rot in wheat cultivars grown in Idaho as compared to Australian cultivars varying for tolerance to crown rot. *Phytopathology* 97:S92.

Petrisko, J.E. and Windes, J.M. 2007. Transcriptional analysis of seedling resistance to *Fusarium culmorum* in the Australian wheat line '2-49'. *Phytopathology* 97:S146.

Jackson, C.A., Windes, J.M., Bregitzer, P., and Obert, D. 2007. "Low Phytic Acid Barley Responses to Phosphorus Rates." Northwest Regional Meeting, 88th annual meeting of the AAAS, Pacific Division, June in Boise, ID. June 17-20, 2007.

Windes, J.M. and Petrisko, J.E. 2006. Quantification of *Fusarium culmorum* in crown rot resistant and susceptible wheat varieties using a *tri5* gene-based real-time PCR assay. *Phytopathology* 96:S92.

Windes, J.M., Shelman, T., and Jackson, C.A. 2006. Resistance to crown and foot rot in wheat and barley cultivars grown in Idaho. *Phytopathology* 96:S123.

Bowen, T.R., Hopkins, B.G., Ellsworth, J.W., Cook, A.G., and Windes, J., 2005. Variable rate nitrogen for in-season application to barley. In *Agronomy Abstracts*, ASA Salt Lake City, UT. No. 307. Pg. 308.

Koehn, A., Souza, E., and Windes, J.M. 2005. The potential importance of reduction in root length in screening resistance to *Fusarium* species in wheat cultivars. *Phytopathology*. Vol. 95, 6:S112.

Windes, J.M., Stark, J.C., Souza, E.J., O'Brien, K.L. 2004. Nitrogen timing effects on milling and baking quality of soft and hard spring wheats. In *Agronomy Abstracts*, ASA Seattle, WA. No. 909, p. 308.

Stark, J., Love, S., Hopkins, B., Geary, B., Windes, J., Salaiz, T., and Atkinson, D. 2003. Developing nitrogen recommendations for new potato varieties. 2003. In *Agronomy Abstracts*, Denver, CO.

Geary, B., Stark, J., Love, S., Hopkins, B., Ellsworth, J., Atkinson, D. and Windes, J. 2003. Potato varietal responses to nitrogen rate and timing. 2003. PAA meetings, Spokane, WA.

Stark, J.C., Windes, J.M., O'Brien, K.L. and Souza, E.J. 2002. Nitrogen timing effects on milling and baking

- quality of hard red spring wheat. In *Agronomy Abstracts*, ASA Indianapolis, IN, No. 1536, p. 255.
- Windes, J.M., and Souza, E. 1997. Bunt resistance of northwest wheat cultivars. *Phytopathology* 87:S103.
- Windes, J.M., and Souza, E. 1996. Use of discriminant analysis in determining stripe rust resistance. *Phytopathology*. 86:S56.
- Windes, J.M., and Souza, E. 1995. Substrate utilization of *Typhula idahoensis*. *Phytopathology*. 85:1203.
- Windes, J.M., and Souza, E. 1995. Heritability of tyrosinase activity in soft white spring wheats. *Agronomy Abstracts*, Amer. Soc. of Agron., p. 93.
- Mohammad, F., Windes, J.M. and Souza, E.J. 1994. Typhula snow mold tolerance in winter wheat. *Phytopathology* 84:1076.
- Mohammad, F., Windes, J.M., Souza, E.J. and Zemetra, R.S. 1994. Prediction of snow mold tolerance in wheat from total non-structural carbohydrate content. *Agronomy Abstracts*, Amer. Soc. of Agron. pg 94.
- Windes, J.M., and Pedersen, W.L. 1992. Residual resistance to crown rust in two-gene (F1) oat lines. *Phytopathology* 82:1141.
- Windes, J.M., and Pedersen, W.L. 1991. Residual resistance to crown rust in oats. *Phytopathology* 81:1149.
- Marshall, J.M., Ooka, J.J., and Pedersen, W.L. 1989. An isolate of *Exserohilum turcicum* from Hawaii virulent on *HtN*. *Phytopathology* 79:1004.
- Marshall, J.M., Carroll, R.B., and Dempsey, D.B. Effect of planting date and genotype on southern corn stalk borer and stalk rot of corn in Delaware. *Phytopathology* 78:862.
- Marshall, J.M., Carroll, R.B., Dempsey, D.B., and Hawk, J.A. Studies on the southern corn stalk borer and stalk rot of corn in Delaware. Fifth Interregional Corn Conference. February 23-25, 1988.

Other (Extension Publications):

- Eborn, Ben, Steven Hines and Juliet M. Marshall. 2017. Eastern Idaho Costs and Returns Estimates for Spring Malting Barley. EBB3-MB-17. Moscow, ID: University of Idaho Cooperative Extension System. (Revised 2017). <https://www.uidaho.edu/cals/idaho-agbiz/crop-budgets>
- Eborn, Ben, Steven Hines and Juliet M. Marshall. 2017. Costs and Returns Estimates for South Central Idaho: Magic Valley Spring Malting Barley. EBB3-MB-17. Moscow, ID: University of Idaho Cooperative Extension System. (Revised 2017). <https://www.uidaho.edu/cals/idaho-agbiz/crop-budgets>
- Eborn, Ben, Steven Hines and Juliet M. Marshall. 2017. Costs and Returns Estimates for South Central Idaho: Magic Valley Spring Feed Barley. EBB3-MB-17. Moscow, ID: University of Idaho Cooperative Extension System. (Revised 2017). <https://www.uidaho.edu/cals/idaho-agbiz/crop-budgets>
- Eborn, Ben, Steven Hines and Juliet M. Marshall. 2017. Costs and Returns Estimates for South Central Idaho: Magic Valley Hard Red Spring Wheat. EBB3-HRS-17. Moscow, ID: University of Idaho Cooperative Extension System. (Revised 2017). <https://www.uidaho.edu/cals/idaho-agbiz/crop-budgets>
- Eborn, Ben, Steven Hines and Juliet M. Marshall. 2017. Costs and Returns Estimates for South Central Idaho: Magic Valley Soft White Spring Wheat. EBB3-HRS-17. Moscow, ID: University of Idaho Cooperative Extension System. (Revised 2017). <https://www.uidaho.edu/cals/idaho-agbiz/crop-budgets>
- Eborn, Ben, Steven Hines and Juliet M. Marshall. 2017. Costs and Returns Estimates for South Central Idaho: Magic Valley Soft White Winter Wheat. EBB3-HRS-17. Moscow, ID: University of Idaho Cooperative Extension System. (Revised 2017). <https://www.uidaho.edu/cals/idaho-agbiz/crop-budgets>

Patterson, Paul E. and Juliet M. Marshall. 2015. Eastern Idaho Costs and Returns Estimates for Spring Feed Barley. EBB3-FB-15. Moscow, ID: University of Idaho Cooperative Extension System. (Revised 2015). <https://www.uidaho.edu/cals/idaho-agbiz/crop-budgets>

Patterson, Paul E. and Juliet M. Marshall. 2015. Eastern Idaho Costs and Returns Estimates for Spring Malting Barley. EBB3-MB-15. Moscow, ID: University of Idaho Cooperative Extension System. (Revised 2015).

Patterson, Paul E. and Juliet M. Marshall. 2015. Eastern Idaho Costs and Returns Estimates for Hard Red Spring Wheat. EBB3-HRS-15. Moscow, ID: University of Idaho Cooperative Extension System. (Revised 2015).

Patterson, Paul E. and Juliet M. Marshall. 2015. Eastern Idaho Costs and Returns Estimates for Soft White Spring Wheat. EBB3-SWS-15. Moscow, ID: University of Idaho Cooperative Extension System. (Revised 2011).

Patterson, Paul E. and Juliet M. Marshall. 2015. Eastern Idaho Costs and Returns Estimates for Soft White Winter Wheat. EBB3-SWW-15. Moscow, ID: University of Idaho Cooperative Extension System. (Revised 2011).

Patterson, Paul E. and Juliet M. Marshall. 2011 Eastern Idaho Costs and Returns Estimates for Spring Feed Barley. EBB4-FB-11. Moscow, ID: University of Idaho Cooperative Extension System. (Revised 2011).

Patterson, Paul E. and Juliet M. Marshall. 2011 Eastern Idaho Costs and Returns Estimates for Spring Malting Barley. EBB4-MB-11. Moscow, ID: University of Idaho Cooperative Extension System. (Revised 2011).

Patterson, Paul E. and Juliet M. Marshall. 2011 Eastern Idaho Costs and Returns Estimates for Hard Red Spring Wheat. EBB4-HRS-11. Moscow, ID: University of Idaho Cooperative Extension System. (Revised 2011).

Patterson, Paul E. and Juliet M. Marshall. 2011 Eastern Idaho Costs and Returns Estimates for Soft White Spring Wheat. EBB4-SWS-11. Moscow, ID: University of Idaho Cooperative Extension System. (Revised 2011).

Patterson, Paul E. and Juliet M. Marshall. 2011 Eastern Idaho Costs and Returns Estimates for Soft White Winter Wheat. EBB4-SWW-11. Moscow, ID: University of Idaho Cooperative Extension System. (Revised 2011).

Refereed/Adjudicated (currently scheduled or submitted):

Marshall, J.M., Dill-Macky, R., Rashed, A. 2023. Editors of the Updated Barley Compendium: "Compendium of Barley Diseases and Pests". American Phytopathological Society.

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

University of Idaho Extension Impact Statements:

Hatch, J. L., J. Spackman, J. Marshall, J. Thomas, B. Henderson, R. Findlay, T. Jacobsen, J. Gibbons, R. Patterson, J. Sagers, D. Callister, A. Adjesiwor, and X. Liang. 2023. Local data for local cereal grain growers. <https://www.uidaho.edu/-/media/UIDaho-Responsive/Files/Extension/admin/Impacts/2023/33-23-jhatch-cereal-school.pdf?la=en&hash=72E66DDF07825956A01F30787FE5E41D6BBAF10E>.

Finkelburg, 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-dfinkelburg-ag-professionals.pdf?la=en&hash=0A4BD55A19FF453A53F53535EE58CABDC9F0E54C>

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>

J.M. Marshall, K.M. Bissonnette, and J. Chen. 2012. The re-emergence of FHB in Idaho.

J.M. Marshall and R. Findlay. 2011. Preventing yield losses in wheat from a severe stripe rust epidemic in southern and eastern Idaho.

L. Ellis, J.M. Marshall, and W. Jones. 2011. Cereal schools and tours offer relevant information for East Idaho grain producers.

Gortsema, S.R., and J.M. Windes. 2005. Stripe rust losses minimized.

Trade Journal Publications:

McCarthy, Julia. 2020 <https://www.agproud.com/magazine> Cereal Cyst nematodes on the move in Idaho. p 25-26, April issue of Idaho Ag Proud.

Marshall, J., and Schroeder, K. 2018. 2017 Idaho spring wheat variety performance tests and 2015-2017 yield summaries. Idaho Grain, Spring, pp. 23-26.

Marshall, J., Schroeder, K., and Walsh, O. 2018. 2017 Idaho spring barley variety performance tests and 2015-2017 yield summaries. Idaho Grain Magazine, Spring 2018, pp. 23-26.

Marshall, J.M. 2018. Despite Good Barley Crop, Fusarium Head Blight Remains the Elephant in the Room. Idaho Grain Magazine, Winter 2018. pp. 26-28.

Marshall, J.M., Schroeder, K., Walsh, O. 2017 Idaho Spring Wheat Variety Performance Tests and 2015-2017 Yield Summaries. Idaho Grain Producers Magazine. Spring 2018. p.23-26.

Marshall, J.M., Schroeder, K., Walsh, O. 2017 Idaho Spring Barley Variety Performance Tests and 2015-2017 Yield Summaries. Idaho Grain Producers Magazine. Spring 2018. p.27-30.

Marshall, J.M., Schroeder, K., Walsh, O. and Flowers, M. 2017. 2015-16 Idaho winter wheat variety performance tests and 2013-2015 yield summaries. Idaho Grain Producers magazine. Fall 2017. p. 29-31.

Marshall, J.M. and Schroeder, K. 2017. 2016 Idaho Spring Barley Variety Performance Tests and 2014-2016. Yield Summaries. Idaho Grain Producers magazine. Spring 2016. p.28-29.

Marshall, J., and Schroeder, K. 2017. 2016 Idaho spring wheat variety performance tests and 2014-2016 Yield Summaries. Idaho Grain Producers magazine. Spring 2016. p. 33-35.

Moore, A., Walsh, O., Marshall, J., Liang, X. Improving wheat yield and grain protein with dairy manure applications. Idaho Grain Magazine Spring 2016. Page 24-25.

Marshall, J., Schroeder, K. and Flowers, M. 2016. 2014-15 Idaho winter wheat variety performance tests and 2013-2015 yield summaries. Idaho Grain Producers magazine. Fall 2016. p. 33-36.

Marshall, J., and Schroeder, K. 2016. 2015 Idaho spring wheat variety performance tests and 2013-2015 Yield Summaries. Idaho Grain Producers magazine. Spring 2016. p. 30-31.

Marshall, J.M. and Schroeder, K. 2016. 2015 Idaho Spring Barley Variety Performance Tests and 2013-2015 Yield Summaries. Idaho Grain Producers magazine. Spring 2016. p.28-29.

Marshall, J., Schroeder, K. and Flowers, M. 2015. 2013-14 Idaho winter wheat variety performance tests and 2012-2014 yield summaries. Idaho Grain Producers magazine. Fall 2015. p. 23-25.

- Marshall, J., and Schroeder, K. 2015. 2014 Idaho spring wheat variety performance tests and 2012-2014 Yield Summaries. Idaho Grain Producers magazine. Spring 2015. p. 20-21.
- Marshall, J.M. and Schroeder, K. 2015. 2014 Idaho Spring Barley Variety Performance Tests and 2012-2014 Yield Summaries. Idaho Grain Producers magazine. Spring 2015. p.22-23.
- Smiley, R., and Marshall, J. 2014. Resistance and tolerance of Small Grains to Cereal Cyst Nematode. Idaho Grain Producers Magazine. Spring 2014. p. 17-18.
- Marshall, J.M., and Schroeder, K. 2014. 2012-2013 Idaho winter wheat variety performance tests and 2011-2013 yield summaries. Idaho Grain Producers magazine. Fall 2014. p. 21-23.
- Marshall, J.M., and Schroeder, K. 2014. 2013 Idaho spring wheat variety performance. Idaho Grain Producers magazine. Spring 2013. p. 20-21.
- Marshall, J.M., and Schroeder, K. 2014. 2013 Idaho Spring Barley Variety Performance Tests and 2011-2013 Yield Summaries. Idaho Grain Producers magazine. Spring 2014. p.22-23.
- Marshall, J.M. 2013. New Year, New Challenges: Unprecedented Levels of BYDV in Our Winter Grain. Fall 2013. Idaho Grain Magazine. p. 17.
- Marshall, J.M., Brown, B.D., and Finkelnburg, D. 2013. 2011-2012 Idaho Winter Wheat Variety Performance Tests and 2010-2012 Yield Summaries. Idaho Grain Producers magazine. Fall 2013. p. 21-23.
- Marshall, J.M. and Finkelnburg, D. 2013. 2012 Idaho Spring Wheat Variety Performance Tests and 2010-2012 Yield Summaries. Idaho Grain Producers magazine. Spring 2013. p.22-23.
- Marshall, J.M. and Finkelnburg, D. 2013. 2012 Idaho Spring Barley Variety Performance Tests and 2010-2012 Yield Summaries. Idaho Grain Producers magazine. Spring 2013. p.20-21.
- Marshall, J.M., O'Brien, K., Engle, D., Fuerst, P., Burrows, M. 2012. Low Falling Numbers in 2011 Harvested Wheat. Spring 2012. Idaho Grain Production Magazine p. 16-17.
- Chen, J., J.M. Marshall, and Wilson, C.M. 2012. Evaluation of FHB Resistance in PNW Spring Wheat Lines. Idaho Grain Producers Magazine. p.18-19. Spring 2012.
- Marshall, J.M., Brown, B., Finkelnburg, D., and Zemetra, R. 2012. 2011 Idaho Spring Barley Variety Performance Tests and 2009-2011 Yield Summaries. Idaho Grain Producers magazine. p.20-21, Spring 2012.
- Marshall, J.M., Brown, B., and Finkelnburg, D. 2012. 2011 Idaho Spring Wheat Variety Performance Tests and 2006-2008 Yield Summaries. Idaho Grain Producers magazine. p.22-23, Spring 2012.
- Marshall, J.M., Brown, B.D., and Finkelnburg, D. 2012. 2010-2011 Idaho Winter Wheat Variety Performance Tests and 2009-2011 Yield Summaries. Idaho Grain Producers magazine. p.19-21, Fall 2012.
- Marshall, J.M., Brown, B., Finkelnburg, D., and Zemetra, E. 2011. 2010 Idaho Spring Barley Variety Performance Tests and 2008-2010 Yield Summaries. Idaho Grain Producers magazine. p.21-22, Spring 2011.
- Marshall, J.M., Brown, B., Finkelnburg, D., and Zemetra, E. 2011. 2010 Idaho Spring Wheat Variety Performance Tests and 2008-2010 Yield Summaries. Idaho Grain Producers magazine. p.19-20, Spring 2011.
- Marshall, J.M., Brown, B., Zemetra, R. and Finkelnburg, D. 2011. 2010 Idaho Winter Wheat Variety Performance Tests and 2008-2010 Yield Summaries. Idaho Grain Producers magazine. p.21-23, Winter 2011.

- Dailey, P., Smiley, R., Marshall, J.M. 2011. Are Nematodes Reducing Your Wheat Yield? Idaho Grain Producers Magazine. Fall 2011. Page 21.
- Windes, J.M. 2010. Increasing Profit Margins. Hard Wheat: Managing Nitrogen for Protein. Idaho Grain Producers Magazine. P. 22-24. Spring 2010.
- Windes, J.M., Brown, B., Finkelnburg, D., and Zemetra, E. 2010. Idaho Spring Barley Variety Performance Tests and 2007-2009 Yield Summaries. Idaho Grain Producers magazine. p.26-28, Spring 2010.
- Windes, J.M., Brown, B., Finkelnburg, D., and Zemetra, E. 2010. 2009 Idaho Spring Wheat Variety Performance Tests and 2007-2009 Yield Summaries. Idaho Grain Producers magazine. p.29-30, Spring 2010.
- Windes, J.M., Brown, B., Finkelnburg, D., and Zemetra, E. 2009. 2008 Idaho Spring Barley Variety Performance Tests and 2006-2008 Yield Summaries. Idaho Grain Producers magazine. p.26-28, Spring 2009.
- Windes, J.M., Brown, B., Finkelnburg, D., and Zemetra, E. 2009. 2008 Idaho Spring Wheat Variety Performance Tests and 2006-2008 Yield Summaries. Idaho Grain Producers magazine. p.29-30, Spring 2009.
- Windes, J.M., Brown, B., Finkelnburg, D., and Zemetra, E. 2009. 2008 Idaho Winter Wheat Variety Performance Tests and 2006-2008 Yield Summaries. Idaho Grain Producers magazine. p.29-30, Winter 2009.
- Windes, J.M., Brown, B.D., and Guy, S.O. 2008. 2007 Idaho Winter Wheat Variety Performance Tests and 2005-2007 Yield Summaries. Idaho Grain Producers magazine. p.20-23, Winter 2008.
- Guy, S.O., Windes, J.M. and Brown, B.D. 2008. 2007 Idaho Spring Barley Variety Performance Tests and 2005-2007 Yield Summaries. Idaho Grain Producers magazine. p.26-27. Spring 2008.
- Guy, S.O., Windes, J.M. and Brown, B.D. 2008. 2007 Idaho Spring Wheat Variety Performance Tests and 2005-2007 Yield Summaries. S.O. Guy, B.D. Brown, and J.M. Windes. Idaho Grain Producers magazine. P. 24-25. Spring 2008.
- Windes, J.M. 2007. Fusarium Head Blight In Idaho – What, Me Worry? Idaho Grain Producers Magazine, pp. 10-11. Winter, 2007.
- Guy, S.O., Windes, J.M. and Brown, B.D. 2006 Idaho Winter Wheat Variety Performance Tests and 2004-2006 Yield Summaries. S.O. Guy, J.M. Windes, B.D. Brown. Idaho Grain Producers magazine. p.20-23, Winter 2007.
- Guy, S.O., Windes, J.M. and Brown, B.D. 2006 Idaho Spring Barley Variety Performance Tests and 2004-2006 Yield Summaries. Idaho Grain Producers magazine. p.22-23, Spring 2007.
- Guy, S.O., Windes, J.M. and Brown, B.D. 2006 Idaho Spring Wheat Variety Performance Tests and 2004-2006 Yield Summaries. Idaho Grain Producers magazine. p.20-21, Spring 2007.
- Guy, S.O., Windes, J.M. and Brown, B.D. 2005 Idaho Winter Wheat Variety Performance Tests and 2003-2005 Yield Summaries. Idaho Grain Producers magazine. p.18-21, Winter 2006.
- Guy, S.O., Windes, J.M. and Brown, B.D. 2005 Idaho Spring Barley Variety Performance Tests and 2003-2005 Yield Summaries. Idaho Grain Producers magazine. p.28-29, Spring 2006.
- Guy, S.O., Windes, J.M. and Brown, B.D. 2005 Idaho Spring Wheat Variety Performance Tests and 2003-2005 Yield Summaries. Idaho Grain Producers magazine. p.30-31, Spring 2006.

Guy, S.O., Windes, J.M. and Brown, B.D. 2004 Idaho Spring Barley Variety Performance Tests and 2002-2004 Yield Summaries. Idaho Grain Producers magazine. p.16, Spring 2005.

Guy, S.O., Windes, J.M. and Brown, B.D. 2004 Idaho Spring Wheat Variety Performance Tests and 2002-2004 Yield Summaries. Idaho Grain Producers magazine. p.19, Spring 2005.

Guy, S.O., Robertson, L.D., Brown, B.D., Windes, J.M., and Wu, Y. 2003 Idaho Spring Barley Variety Performance Tests and 2001 -2003 Yield Summaries. Idaho Grain Producers magazine. p.16-17, Spring 2004.

Guy, S.O., Robertson, L.D., Brown, B.D., Windes, J.M., Wedel, D., and Wu., Y. 2003 Idaho Spring Wheat Variety Performance Tests and 2001 -2003 Yield Summaries. Idaho Grain Producers magazine. p.19-21, Spring 2004.

Presentations and Other Creative Activities: (i.e. slide sets, web pages, video productions, etc., provide date and location)

Webinars:

Marshall, J.M., Bradley, C., Friskop, S. 2024 US Wheat and Barley Scab Initiative “Scabinar – Fungicides for Management of FHB in Cereals.” March 13, 2024. USWBSI. <https://scabusa.org/scabinar>

2022 USWBSI Scabinar. Marshall, J.M., Friskop, Andrew (NDSU), Bradley, Carl (University of Kentucky). 2022. US Wheat and Barley Scab Initiative FHB “Scabinar”. Organizing committee and Panel Member for 1) *Fusarium graminearum* Pathogen Perspective and 2) FHB Management. March 15, 2022. <https://scabusa.org/scabinar> 177 attending

2016 (recorded 1/19/16) Managing Fusarium Head Blight Webinar (Updated for the Idaho Wheat Commission). 187 views as of May 31, 2016. Invited. <https://vimeo.com/152646122>

2015 Best Management Practices Best Management Practices webinar (for the Idaho Barley Commission). Invited. 251 views as of 5/31/16. (recorded 3/6/15)

2015 (recorded 1/28/15) Managing Fusarium Head Blight in Small Grains Webinar (for the Idaho Wheat Commission). 53 views as of 5/31/15. Invited. <https://vimeo.com/152646122>

2012 Webinar for IWC: Falling Numbers in the 2011 Harvest. Feb 29, 2012. Invited. <http://connect.cals.uidaho.edu/p92847771/?launcher=false&fcsContent=true&pbMode=normal>

2012 Webinar for IWC: Stripe Rust Impacts in 2011 and 2012 Outlook. April 4, 2012. Invited. <http://connect.cals.uidaho.edu/p97834003/?launcher=false&fcsContent=true&pbMode=normal>

2011. Coping with Head blight in Southern Idaho. Invited by the IWC and IBC. <http://connect.cals.uidaho.edu/p8ykq93p4pz/>

YouTube Video:

2015. Falling Numbers Invited by IWC.

https://vimeo.com/131819077?utm_source=email&utm_medium=clip-transcode_complete-finished-20120100&utm_campaign=7701&email_id=Y2xpcF90cmFuc2NvZGVkfDMwMjUzMDQ1ZmZjYjlmYT M5MWI4MTFhYmE1NzkyMjg4NDAwfDE4MjYzMjB8MTQzNTI3MDE0NXw3NzAx

Newsletters:

Marshall, J.M. 2018. Sulfur for protein? Optimizing fertility for protein and end-use quality. Idaho Wheat Commission Special Report. Email sent 4/10/18.

Marshall, J.M. and Finkelnburg, D. Abundant moisture a mixed bag for wheat. Idaho Wheat Report, Idaho Wheat Commission. Issue #140, April 14, 2017.

Marshall, J.M. 2015. Barley Yellow Dwarf Virus Epidemic in Winter Cereals Across Southern and Eastern Idaho. Idaho Barley Newsbrief. Vol 8, Issue 4, April 28, 2015.

Marshall, J.M. Spring Wheat Varieties. Upper Snake River Valley Grain Newsletter, Issue #3. Feb 2011.

Marshall, J.M. Green Bridge and Diseases. Upper Snake River Valley Grain Newsletter, Issue #2. Jan 2011.

Marshall, J.M. Hard Red Winter Grain Varieties. Upper Snake River Valley Grain Newsletter, Issue #1. Dec 2010.

Marshall, J.M. Two-rowed Malt Varieties. Upper Snake River Valley Grain Newsletter, Issue #2. Jan 2011.

Professional Presentations – Invited:

Marshall, J.M. Monitoring Falling Numbers in Idaho. 2024. Falling Numbers Workshop, Jan 31, 2024. Pacific Northwest Wheat Quality Council. Boise, ID. Invited.

Marshall, J.M. Idaho Eastern Oregon Seed Association. Diseases, Pests and Treatments in Cereal Seed Production. Nov 28, 2023. Boise ID. Invited.

Marshall, J.M. Plant Sciences Visions – the Future of Plant Sciences. Dean’s Advisory Board Meeting Feb 21, 2022. Boise, ID. Invited.

Marshall, J.M., Friskop, Andrew (NDSU), Bradley, Carl (University of Kentucky). 2022. US Wheat and Barley Scab Initiative FHB “Scabinar”. Organizing committee and Panel Member for 1) *Fusarium graminearum* Pathogen Perspective and 2) FHB Management. March 15, 2022. <https://scabusa.org/scabinar> 177 attending.

Marshall, J.M. Invited Panel Speaker: December 2, 2021. “Looking to the Future: A PNW Variety Testing Panel Discussion”. 1.25 hours. Dr. Kurtis Schroeder, Dr. Ryan Coombs-Graebner, Dr. Clark Neely, Jim Moyer (Moderator).

Marshall, J.M. 2020. Going Down the Rabbit Hole: The Effect of Climate Change on FHB and Small Grains. USWBSI. Plenary Speaker. Dec 7, 2020.

Marshall, J.M. 2020. Cereal Seed Diseases, Pests and Solutions. Idaho, Eastern Oregon Seed Association. Annual Meeting. Invited presentation. Meeting held virtually, Dec 1, 2020.

Marshall, J.M. 2019. Cereal Cyst Nematode in Small Grains. (1 hour) Crop and Pest Management School. Montana State University. Invited. January 16, 2019.

Marshall, J.M. 2019. Fusarium Head Blight Management and Other Cereal Diseases. (1 hour) Crop and Pest Management School. Montana State University. Invited. January 16, 2019.

Marshall, J.M. 2018. FHB Now Westward Bound, and New Struggles to Keep DON Down. Abstract. Invited presentation to USWBSI National Fusarium Head Blight Forum, St. Louis, MO. Dec 2 – 4, 2018.

Rashed, A., Ensafi, P., Crowder, D., Esser, A., Marshall, J.M. 2018. Soil type mediates the efficacy of entomopathogens against wireworms. Biological Control W-4185 Annual Meeting. Whitefish, MT, October 2018.

Miller, J. and Marshall, J. Genetically Modified Organisms – It's the Process, not the Product. Invited presentation given at the 25th Annual Shoshone Bannock Tribes Agricultural Resources Management Grower Meeting at Fort Hall, ID on February 23, 2017.

Marshall, J.M. 2016. State Led Wheat Initiatives: Pushing Over the 200 Bushel Hurdle in Idaho Wheat. Dec 7, 2016. Chicago, IL. Invited by American Seed Trade Association.

Marshall, J.M. 2016. Plant Breeding Innovation Press Conference: Public Sector Impacts. Dec 7, 2016. Chicago, IL. Invited by American Seed Trade Association.

Marshall, J.M. 2016. Make an Impact: How to Effectively Communicate Your Scientific Message to the Public: Why Are We Here? July 30, 2016. National Annual APS Meeting, Tampa FL. Invited by organizing committee, of the American Phytopathological Society.

Marshall, J.M. 2016. New Disease Pressures In Western Cereal Production. Logan, UT. USU Plant Sciences Seminar Series.

Rashed, A., Rashidi, M., Windes, S., Marshall, J.M., and Bosque-Perez, N. 2015. Host plant-virus-vector interactions and barley yellow dwarf disease management. Pacific Branch- Entomological Society of America. April 13, 2015. Cour d'Alene, ID.

Marshall, J.M. 2015. FHB in the PNW: No longer toxin-free wheat and barley, Jan 2015 PNW Wheat Quality Council, San Francisco, CA.

Marshall, J.M. 2014. The Emergence of FHB in Barley in the Arid West. North American Barley Researchers Workshop. Minneapolis, MN. Invited.

Marshall, J.M. Fusarium Head Blight in the arid regions of the west. *Invited Plenary Presentation*. July 11, 2014. Pacific Division meeting of the APS, Bozeman, MT.

Marshall, J.M. – Cereal cyst nematode in Wheat and Barley in Southern Idaho. *Invited Plenary Presentation*. July 9, 2014. Pacific Division meeting of the APS, Bozeman, MT.

Marshall, J.M. Low Falling Numbers in 2011 Harvest. PNW Quality Council. Jan 18, 2012. Invited presentation, San Diego, CA.

Windes, J.M. Agronomic Practices for Winter Malt Barley Production. Dec 3, 2009. Oregon – Idaho Grain Producers Association Meeting, Coeur d'Alene, ID.

Windes, J.M. "Beating Back the Caveman and the Search for Resistance." NDSU Invited Seminar, November 9, 2009.

Windes, J.M. "The Missing Link: Finding the Key to Resistance" NDSU Invited Seminar, November 10, 2009.

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

Professional Forums/Workshops organized:

Workshop/Seminars/Tours:

USWBSI – Scabinar 2024, March 6, 2024

USWBSI – Scabinar March 15, 2022

Co-organizer, Ag Talk Tuesdays, 2018-present: <https://www.uidaho.edu/extension/news/ag-talk-tuesday>

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

Number registered (total): 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)

2016 Marshall, J.M. Make an Impact: How to Effectively Communicate Your Scientific Message to the Public. Proposed to organizing committee and helped to organize workshop, American Phytopathological Society. July 30, 2016. National Annual APS Meeting, Tampa FL. Invited by organizing committee, of the American Phytopathological Society. (OAE)

2015 Regional BYDV Forum organized for Consultants and Growers, Twin Falls, ID. July 1, 2015.

2013 National FHB in Barley Forum Idaho Falls, ID. Attended by representatives of AMBA, MillerCoors, Anheuser-Busch (AB InBev), national FHB researchers, barley breeders and FHB experts.

Grants and Contracts Awarded:

FY24 Funded: spending authority total \$419,376

FY23 Funded: total \$384,605, spending authority \$304,677

Marshall, J.M., Schroeder, K., Walsh, O. Idaho Wheat Commission. Extension Nurseries FY 2023 (E) \$83,814 (SA=\$32,880)

Marshall, J.M., Schroeder, K. Education for Barley Production/ Extension Nurseries FY 2023 \$20,000 (E) (SA=\$13,932)

Marshall, J.M. Idaho Wheat Commission. Screening for CCN resistance in Wheat Varieties. FY23 \$11,216 (SA \$11,216)

Marshall, J.M. Idaho Barley Commission. Screening for CCN resistance in Barley Varieties. FY23 \$5,000 (SA \$5,000)

Marshall, J.M. Diagnostic Support. Idaho Barley Commission FY23 \$14,784 (SA \$14,784)

Marshall, J.M. Diagnostic Support. Idaho Wheat Commission FY23 \$14,360 (SA \$14,360)

Marshall, J.M. Small Grain Research Bulletin Publication Support. Idaho Wheat Commission FY23 \$2000

Marshall, J.M. Small Grain Research Bulletin Publication Support. Idaho Barley Commission FY23 \$500

Marshall, J.M. USDA-ARS Specific Cooperative Agreement. Soil-borne pathogens in Idaho and Barley Pest Initiative FY 2023 (E) \$39,400 (SA \$39,400)

Marshall, J.M. Barley Enhancement Project. \$17,500.

Marshall, J.M. Joe Anderson Endowed Professor. FY23. \$44,471.

Marshall, J.M. USDA Federal Hatch Funds. South Idaho Crop Management FY 2023 (E) \$2500 (SA \$2500)
 Marshall, J.M. US Wheat and Barley Scab Initiative. Head blight Control in the Western US. FY 2023 (E) \$74,084 (SA \$74,084)
 Marshall, J.M. Idaho Wheat Commission Endowment funds. \$44,471 (SA=\$44,471)

FY22 Funded:

Marshall, J.M., Schroeder, K., Walsh, O. Idaho Wheat Commission. Extension Nurseries FY 2021 (E) \$72,331 (SA=\$30,905)
 Marshall, J.M., Schroeder, K. Education for Barley Production/ Extension Nurseries FY 2021 \$21,052 (E) (SA=\$14,749)
 Marshall, J.M. Idaho Wheat Commission. Screening for CCN resistance in Wheat Varieties. FY21 \$9,165 (SA \$9,165)
 Marshall, J.M. Idaho Barley Commission. Screening for CCN resistance in Barley Varieties. FY21 \$8,500 (SA \$8,500)
 Marshall, J.M. USDA-ARS Specific Cooperative Agreement. Soil-borne pathogens in Idaho FY 2017 (E) \$19,000 (SA \$19,000)
 Marshall, J.M. USDA Federal Hatch Funds. South Idaho Crop Management FY 2017 (E) \$4790 (SA \$4,790)
 Marshall, J.M. USDA. Fed South Idaho Crop Management FY 2017 (E) \$4,000 (SA \$4,000)
 Marshall, J.M. USDA. Hatch Fed Root Rot Fungi FY 2017 (E) \$1,360 (SA \$1,360)
 Marshall, J.M. USDA. Hatch Root Rot Fungi FY 2017 (E) \$1,118 (SA \$1,118)
 Marshall, J.M. Diagnostic Support. Idaho Barley Commission FY21 \$10,000 (SA \$10,000)
 Marshall, J.M., Chen, J., Fu, D. USDA-ARS NACA Falling Numbers FY21 \$150,000 (SA \$50,000)
 Marshall, J.M. US Wheat and Barley Scab Initiative. Head blight Control in the Western US. FY 2015 (E) \$140,728 (SA \$140,728)
 Marshall, J.M. Idaho Wheat Commission Endowment funds. \$44,471 (SA=\$44,471)

FY21 Funded: total \$543,591, spending authority \$380,212

Marshall, J.M., Schroeder, K., Walsh, O. Idaho Wheat Commission. Extension Nurseries FY 2021 (E) \$72,331 (SA=\$30,905)
 Marshall, J.M., Schroeder, K. Education for Barley Production/ Extension Nurseries FY 2021 \$21,052 (E) (SA=\$14,749)
 Marshall, J.M. Idaho Wheat Commission. Screening for CCN resistance in Wheat Varieties. FY21 \$9,165 (SA \$9,165)
 Marshall, J.M. Idaho Barley Commission. Screening for CCN resistance in Barley Varieties. FY21 \$8,500 (SA \$8,500)
 Marshall, J.M. USDA-ARS Specific Cooperative Agreement. Soil-borne pathogens in Idaho FY 2017 (E) \$19,000 (SA \$19,000)
 Marshall, J.M. USDA Federal Hatch Funds. South Idaho Crop Management FY 2017 (E) \$4790 (SA \$4,790)
 Marshall, J.M. USDA. Fed South Idaho Crop Management FY 2017 (E) \$4,000 (SA \$4,000)
 Marshall, J.M. USDA. Hatch Fed Root Rot Fungi FY 2017 (E) \$1,360 (SA \$1,360)
 Marshall, J.M. USDA. Hatch Root Rot Fungi FY 2017 (E) \$1,118 (SA \$1,118)
 Marshall, J.M. Diagnostic Support. Idaho Barley Commission FY21 \$10,000 (SA \$10,000)
 Marshall, J.M., Chen, J., Fu, D. USDA-ARS NACA Falling Numbers FY21 \$150,000 (SA \$50,000)
 Marshall, J.M. US Wheat and Barley Scab Initiative. Head blight Control in the Western US. FY 2015 (E) \$140,728 (SA \$140,728)
 Marshall, J.M. Idaho Wheat Commission Endowment funds. \$44,471 (SA=\$44,471)
 Rashed, A., Marshall, J.M., and Rogers, C.W. Idaho Wheat Commission. A Survey of Central and Eastern Idaho Wireworm Species and Evaluating Combinations of Ecological and Chemical Approaches FY17 (E) \$5,500 (SA \$1,400)

FY20 Funded: total \$864,917, spending authority \$453,652**FY19 Funded:** total \$655,100, spending authority \$340,850**FY18 Funded:** total \$568,788, spending authority \$292,806

Grants and Contracts Awarded FY 2010 – 2016: Total: \$3,203,555, spending authority: \$1,691,882

Honors and Awards:

November, 2016. Idaho Barley Commission Service Award.

April 2013. Idaho Wheat Commission Aberdeen Cereal Agronomy Endowed Professorship. \$1,000,000.

2008. Excellence in Extension Education / Research Award, presented by the Idaho Grain Producers Association in Coeur d'Alene, Idaho, December 12, 2008

2001. Employee Excellence Award, University of Idaho

1992. Second Place in Oral Paper Presentation for Student Competition, Central Division of the American Phytopathological Society. June, 1992

1988-1991. J.B. Turner Fellowship Recipient, University of Illinois, Urbana-Champaign

1988. First Place in Oral Student Paper Competition, APS Potomac Division Meetings, Frederick, Maryland, Feb. 1988

SERVICE:

Major Committee Assignments:

International

2021-current. Co-organizer and co-presenter of the Scabinar – Extension focused web-based seminar for US Wheat and Barley Scab Initiative

2021-current Councilor to International Society of Plant Pathology, nominated representative from American Phytopathological Society.

2016-2017 CBS and NABRW Scientific Program Committee. Canadian Barley Symposium and North American Barley Researchers Workshop, June 25-28, 2017 Winnipeg, MB, CA.

2016-2018 Local Organizing Committee, International Smut Meeting, Logan, UT, May 2018

2015-2016 Local Organizing Committee, Plant and Microbe Adaptation to Cold, Seattle, WA May 22-25, 2016.

National:

2021 – present. Academic Unit Leaders Forum, American Phytopathological Society.

2022 – December 7, 2022 Poster and Presentation judge for graduate and postdoc competitions, Tampa, FL, USWBSI Annual Meeting

2020-2022 US Wheat and Barley Scab Initiative – on reviewing committee (VDHR-SPR) for funding of proposals for Host Resistance in Spring Wheat.

2019-2020 Organizing Committee Spore Trapping Network Workshop for APS Webinar Series

2018-2021 National Barley Improvement Committee, Elected Member

2019-2021 US Wheat and Barley Scab Initiative – VDHR (Variety Development and Host Resistance) Committee co-chair

2018-current APS Extension Committee

2015-2016 National Scab Initiative, Forum Organizing Committee, Management.

2015-2018 National Barley Improvement Committee, Elected Member

2012-2015 National Barley Improvement Committee, Elected Member

2010-2012 National Barley Improvement Committee, Elected Vice-Chair in 2009, chair in 2010

2006-2009 National Barley Improvement Committee

Regional:

2015 - 2020 Elected Secretary for PNW Wheat Quality Council, WERA-1009, Board Member

2005 - current WERA-97 Diseases of Cereals, member

2011 – current WERA-1009 Systems to Improve End-use Quality of Wheat,

2014 Organized and coordinated the WERA-97 joint meeting with NCERA-184 held in Twin Falls, ID, June 17-19, 2014, attended by national and regional grain scientists.

2007 Organized and coordinated the WERA-97 joint meeting with NCERA-184 held in Idaho Falls, ID, June 26-28, 2007, attended by national and international grain scientists.

2005 – 2008. Barley for Rural Development Proposal Committee. Idaho chair, in charge of soliciting, reviewing, and approving proposals from within CALS, and helping with the administration of the grant. Responsibilities taken over by Donn Thill and Holly Waters in 2008.

State:

Idaho Nurseryman and Landscape Association Advisory Committee 2021-Jan, 2025.

2005-present - Foundation Seed Stock Committee, CALS, University of Idaho

2011 Candidate Evaluation Panel for USDA-ARS, Aberdeen

University:

November 2024-March 2025; Member of College of Agricultural and Life Sciences Dean Search Committee.
 2015-2016, Search Committee Member for Director of Extension, CALS
 April – May 2011, Selection Committee for Distinguished Professor, University of Idaho
 June 2011, Advisory committee member for John Stevenson, Regional Climate Specialist, Oregon State University
 Dec 08 – June 2009, University of Idaho Request for Innovations
 Nov 2007 – June 2008, University Strategic Planning Committee

CALS College / Departmental:

January 5, 2025 – Development Committee for the Center for Food and the Environment (CAFE)
 July 2024-Jan 2025; Member of College of Agricultural and Life Sciences Search Committee for UI Extension Associate Director.
 2024 – current Mentoring review committee for Dr. Phillip Wharton
 Ad Hoc CALS Guidelines committee March 2019
 Mentoring Committee membership:
 2020 – 2022 Mentoring Committee member for Dr. Justin Clements
 2020 – 2021 Mentoring Committee member for Dr. Jared Spackman
 2016 – 2022 Mentoring Committee member for Dr. Kasia Duellman
 2015 – 2020 Mentoring Committee member for Dr. Xi Liang
 2014 – 2019 Mentoring Committee member for Dr. Chris Rogers
 2012 – 2019 Mentoring Committee member for Dr. Arash Rashed
 2009 – 2013 Mentoring Committee member for Dr. Oliver Neher (chair)
 2009 – 2014 Mentoring Committee member for Dr. Phillip Wharton
 2009 – 2014 Mentoring Committee member for Dr. Jianli Chen

 2016 – 2017 Member of Search Committee for AERS Idaho Falls Crop Economist – Extension Specialist
 2016 Member of the Search Committee for CALS Director of Extension
 2014 Chair of the Promotion and Tenure Committee for Dr. Phillip Wharton
 2013 Member of the Search Committee for the CALS Dean
 2013 Member of the Mentoring Committee for Dr. Pamela Hutchinson
 2013 Chair of the Search Committee, Barley Agronomist (Dr. Chris Rogers hired)
 2013 Chair of the search committee for the Cropping Systems Agronomist (failed search)
 2012. Member of the search committee for the Parma Cereals Cropping System Agronomist and Superintendent, Oct, 2012.
 2012 Member of the Third Year Review Committee for Dr. Phillip Wharton.
 2012-2013 Member of Promotion and Tenure Committee for Dr. Jianli Chen.
 2012 CALS Promotion & Tenure Committee member.
 2012 Chair of the search committee for the Aberdeen Superintendent and Agronomist (failed search)
 2011 Third Year Review Committee, Lance Ellis, county extension educator
 2008 Selection Committee for College of Ag and Life Sciences Cropping Systems Specialist
 2007-08 Selection Committee for College of Ag and Life Sciences Plant Pathologist. Hired Dr. Phillip Wharton.
 2007-2012 Crop Protection Seminars, Chair
 2006 Selection Committee for College of Ag and Life Sciences Wheat Breeder. Hired Dr. Jianli Chen
 2004- present Cereal School Planning Committee, Chair
 2006 Member of the Promotion and Tenure Committee for Bryan Hopkins.
 2006 Member of the Promotion and Tenure Committee for Jeff Miller.
 2006. Search Committee for Administrative Assistant for District III office. Hired Natalie Sutton.
 July – August, 2006 Member of the Committee for the “August 17, 2006 Rededication of the USDA-ARS facility in Aberdeen”.
 July – December, 2006. Chair of Search Committee to hire Technical Aide for the Cereals Project.

Hired Linda Beck.

2005 Chair of Search Committee for Scientific Aide. January. Hired Chad Jackson.

2005 Chair of Search Committee for Post Doctoral Fellow – January to April. Hired Jill Petrisko.
April, 2005. Member of Search Committee for Jeff Stark's Support Scientist.

Professional and Scholarly Organizations:

American Phytopathological Society, member 1986 – present,

International Society of Plant Pathology – nominated position as APS Councilor to ISPP
September 2021 - current

APS Press Board, Senior Editor, January, 2019 - present

Extension Committee member, August 2015 - current

Pacific Division Immediate Past President, July 2015 – June, 2016

Pacific Division President, July 2014-2015

Pacific Division Vice President, July 2013 – 2014

Pacific Division Secretary / Treasurer July 2008 – 2013

Committee of Electronic Communications, National APS, July, 2009

Chair of Host Resistance Committee of the American Phytopathological Society (1999-2000), and coordinator of APS Symposium “Will Public Perception and Fear Prevent Us from Utilizing Transgenics?” New Orleans, August 16, 2000

Genetics of Host-Pathogen Interaction Committee, American Phytopathological Society (1996-2001)

Women in Plant Pathology Committee, American Phytopathological Society (1997-1999)

Graduate Student Committee, American Phytopathological Society (1990-1992)

American Society of Agronomy, member 1988 - present

Idaho Association of Plant Pathologists, member 1992 – present, Chair 2005, again in 2016

Idaho Academy of Sciences, member 2005 – 2010

Gamma Sigma Delta, the Honor Society of Agriculture, member 2009

National Service:

May 28, 2015. Served as Expert Consultant for Homeland Security AgroTerrorism Exercise, Stripe rust on wheat.

February-March 2012. SERVED ON USDA-NP 303 panel 12 – Disease Management Grant Proposal Review Committee, U.S. Department of Agriculture, A.R.S. Office of Scientific Quality Review.

FY 2011 USDA-NIFA Extension Integrated Pest Management Coordination and Support Program (EIPM-CS) Grant Review Panel.

2011. Member of the Barberry / stem rust planning committee, composed of Idaho/ Montana / Washington / Oregon / USDA in D.C. pathologists. Chair is Tim Murray, WSU

USDA-ARS AFRI Plant Biosecurity Review Panel, June – October, 2009

Reviewer for Crop Science, Plant Disease, Canadian Journal of Plant Pathology, Journal of Cereal Chemistry, and Phytopathology

Panelist for a USDA-ARS Office of Scientific Quality Review, December, 2006

Outreach Service:

December, 2022 – Student recruiting at Madison High School with CALS Ambassador

June-July 2011. Host for a Hillcrest high school student (Jessica Rhynders 208-524-6298) in a mentoring program, where she assisted me in the field and lab to learn about a biology-related profession.

Community Service:

Volunteer at local elementary and Jr. High for Science Fairs and Career Days

Honors and Awards:

2013 – current. Awarded a \$1 million Endowed Professorship in cereal agronomy from the Idaho Wheat Commission in 2013. This award was made in recognition of significant contributions to the cereal producers of the region. Recipient of the first Joe Anderson Idaho Wheat Commission Endowed Chair

2014-15, Service Award. In Recognition of Outstanding Services as Pacific Division President. Awarded at the Annual Business Meeting of the Pacific Division, held during the Annual National APS meeting in California, 2015.

2013-14, Service Award. In Recognition of Outstanding Services as Pacific Division President-Elect. Awarded at the Annual Business Meeting of the Pacific Division, held during the Annual National APS meeting in California, 2014.

2008-2011. Service Award. In Recognition of Outstanding Services as Pacific Division Secretary-Treasurer. Awarded at the Annual Business Meeting of the Pacific Division, held during the Annual National APS meeting in Hawaii, August 8, 2011

2008 - Excellence in Extension Education / Research Award, presented by the Idaho Grain Producers Association in Coeur d'Alene, Idaho, December 12, 2008.

2001 - Employee Excellence Award, University of Idaho, 2001

1992 - Second Place in Oral Paper Presentation for Student Competition, Central Division of the American Phytopathological Society. June, 1992

1988-1991. J.B. Turner Fellowship Recipient, University of Illinois, Urbana-Champaign

Feb, 88 First Place in Oral Student Paper Competition, APS Potomac Division Meetings, Frederick, Maryland, Feb. 1988

PROFESSIONAL DEVELOPMENT: (workshops and seminars attended)

Scholarship:

Participation in annual professional society scientific meetings almost always included attendance at professional development workshops such as:

Annual attendance at National APS meetings. 2010-2022

2016 Annual APS meeting – submission of proposal for special APS Session was accepted. Session will be held July 31 in Tampa FL as a special pre-meeting workshop. I am co-host with Nicole Dinofrio, University of Delaware.

Annual attendance at Western Wheat Workers Meeting

Annual attendance at WERA-97

Annual attendance at Pacific Northwest Wheat Quality Council

National Barley Improvement Committee, Washington DC, March 2010-2016

Annual attendance at Idaho Association of Plant Protection 2010-2016

CEC (Climate Change Conference) Meeting in Michigan, August 26-28, 2011.