

CURRICULUM VITAE

University of Idaho

NAME: Thornton, Michael K.

DATE: December 1, 2018

TITLE: Professor of Plant Science

DEPARTMENT: Plant Sciences

OFFICE LOCATION: Parma R&E Center
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Parma, ID 83660

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DATE OF FIRST EMPLOYMENT AT UI: January, 1987

DATE OF TENURE: July, 1995

DATE OF PRESENT RANK OR TITLE: October, 2010

EDUCATION BEYOND HIGH SCHOOL:

Ph.D., Plant Science, 1990, University of Idaho, Moscow, Idaho
M.S., Horticulture, 1983, Colorado State University, Fort Collins, Colorado
B.S., Horticulture, 1981, Washington State University, Pullman, Washington

EXPERIENCE:

Teaching, Extension and Research Appointments:

2010-current, Professor/Plant Scientist, University of Idaho, Parma, ID
2003-2010, Associate Professor/ Plant Scientist, University of Idaho, Parma, ID
1995-97, Associate Professor /Extension Crop Management Specialist, University of Idaho, Parma, ID
1990-95, Assistant Professor /Extension Crop Management Specialist, University of Idaho, Parma, ID
1987-90, Research Associate, University of Idaho, Aberdeen, ID
1983-87, Assistant Professor/Research Horticulturist, Colorado State University, Center, CO
1981-83, Graduate Research Associate, Colorado State University, Fort Collins, CO

Academic Administrative Appointments:

2018 – Present, Associate Head, Plant Sciences Department
2018 – Present, Leader, Potato Program of Distinction
2013-2018, PSES Plant Sciences Division Chair for Southern Idaho
2003-2013, Superintendent, Parma R&E Center, University of Idaho, Parma, ID

Non-academic Employment:

2001-2003, Product Development Specialist, AMVAC Chemical, Caldwell, ID
1997-2001, Manager of Grower Services, NatureMark Potatoes, Boise, ID

Consulting:

2018, Greenlight Biosciences, provided information on pest control practices and fit of new technologies
2017, Farm Frites/Linkage Potato, provided information on agronomic production practices for potato production in China
2015, Monsanto Corporation, developed background information for marketing of new generation potato pest control products
2005-2009, Farming Technology Corporation, developed cooperative project on management of potato stem number in consultation with Dr. Eric Allen of Cambridge University Farms
2001-2002, Thornton Consulting, provided agronomic recommendations for commercial potato farms in southwest Idaho

TEACHING ACCOMPLISHMENTS:

Areas of Specialization:

Plant physiology, potato and onion agronomy, handling and storage management

Courses Taught:

Directed study on onion storage, PLSC 502, fall 2017
 Directed study on onion storage, PLSC 502, fall 2016
 Directed study in green manure crops, PLSC 502, fall 2015
 Potato science, PLSC 490/590, spring 2014 (taught four lectures)
 Directed study in potato production, PLSC 502, fall 2013
 Potato science, PLSC 490/590, spring 2012 (taught four lectures)
 Potato science, PLSC 490/590, spring 2010 (taught off campus course from Parma, with students in Aberdeen, Moscow, Parma, Pullman and Twin Falls)
 Directed study in soil fertility, SOIL 499, spring 2009
 Directed study in potato seed physiology, PLSC 499, fall 2007
 Directed study in yellow nutsedge control, PLSC 502, spring 2005
 Directed study in potato cropping systems, PLSC 502, fall 2005 (taught one lecture)
 Potato science, PLSC 490/590, spring 1997 (taught off campus course at Parma)
 Potato science, PLSC 490/590, spring 1996 (taught one lecture)
 Directed study on CIPC, PLSC 502, fall 1993
 Potato production, PLSC 406, spring 1993 (taught one lecture)

Students advised:

Major Professor:

Kyler Beck, M.S., started August 2017
 Travis Chase, M.S., started January 2017
 Nick Vincent, M.S. completed December, 2017
 Guillermo Pugliese, M.S. completed May, 2016
 William Buhrig, M.S. completed May, 2013
 Collyn Larson, M.S. completed May, 2012
 Robin John, M.S. completed May, 2011
 Deron Beck, M.S. completed April, 2008
 Dennis Atkinson, M.S. completed December, 2005

Graduate Student Committees:

Andrew Hollingshead, PhD, started January, 2016
 Marcus Andros, M.S. completed December, 2017
 Addie Waxman, PhD. completed May, 2017
 Sherilyn Peck, M.S. completed June, 2015
 Garima Tyagi, M.S. completed December, 2014
 Whitney Goodwin, M.S. completed December, 2011
 Sared Nepal, M.S. completed December, 2010
 Elliot Teovs, M.S. completed July, 2010
 Tiecoura Traore, M.S. completed June, 2010
 Brian Jemmett, M.S. completed August, 2009
 Kalamani Muthusamy, M.S. completed July, 2007
 Melissa Bertrum, M.S. completed May, 2006
 Souliman Al Rehiyani, Ph.D. completed August, 1998
 Hua Zhu, Ph.D. completed January, 1998
 Michael Lewis, Ph.D. completed October, 1996
 Christie Johnson, M.S. completed June, 1994

SCHOLARSHIP ACCOMPLISHMENTS:**Publications:****Refereed/Adjudicated:****Book Chapters:**

Thornton. M., J. Stark., B. Hopkins and R. Thornton. 2006. Selecting and preparing the planting site.
 Pg 23-30 In: D. A. Johnson (Ed.). Potato Health Management. American
 Phytopathological
 Society Press.

Thornton, M. 2004. The rise and fall of NewLeaf potatoes. Pg 235-243 In: A. Eaglesham, S. Ristow and R. Hardy (Eds.). *Biotechnology: Science and Society at a Crossroad*. National Agriculture Biotechnology Council, Ithaca, NY.

Nolte, P. and M. Thornton. 1996. The effect of bruising on seed potato performance. Pg 45-49 In: R.C. Brook (Ed). *Potato Bruising; How and Why Emphasizing Black Spot Bruise*. Running Water Publishing, Haslett, Michigan.

Journals:

Stark, J.C., R.G. Novy, J.L. Whitworth, N.R. Knowles, M.J. Pavek, M. Thornton, C.R. Brown, B.A. Charlton, V. Sathuvalli, T. Brandt, N. Olsen and S. Yilma. 2018. Pomerelle Russet: an early maturing potato variety with high yields of U.S. No.1 tubers suitable for fresh market and mid-storage processing and tolerance to potato mop-top virus. *American Journal of Potato Research* 95:110-122.

Rosen, C, N. Sun, N. Olsen, M. Thornton, M. Pavek, L. Knowles and N.R. Knowles. 2018. Impact of agronomic and storage practices on acrylamide in processed potatoes. *American Journal of Potato Research* 95:319-327.

Waxman, A., J. Stark, J. Guenther, N. Olsen, M. Thornton and R. Novy. 2018. An economic analysis of the effects of harvest timing on yield, quality, and processing contract price for three potato varieties. *American Journal of Potato Research* 95:549-563.

Novy, R.G., J.L. Whitworth, J.C. Stark, B.L. Schneider, N.R. Knowles, M.J. Pavek, L.O. Knowles, B.A. Charlton, V. Sathuvalli, S. Yilma, C.R. Brown, M. Thornton, T.L. Brandt and N. Olsen. 2017. Payette Russet: a dual-purpose potato cultivar with cold-sweetening resistance, low acrylamide formation, and resistance to late blight and potato virus Y. *American Journal of Potato Research* 94:38-53.

Wang, Y., L.B. Snodgrass, P.C. Bethke, A.J. Bussan, D.G. Holm, R.G. Novy, M.J. Pavek, G.A. Porter, C.J. Rosen, V. Sathuvalli, A. Thompson, M.K. Thornton, and J.B. Endelman. 2017. Reliability of measurement of genotype x environment interaction for potato specific gravity. *Crop Science* 57:1-7.

Wenninger, E.J., A.V. Karasev, A. Carroll, J. Dahan, M. Thornton, J. Miller, P. Nolte N. Olsen and W. Price. 2017. Phenology of the potato psyllid, *Bactericera cockerelli* (Hemiptera: Troizidea), and “*Candidatus Liberibacter solanacearum*” in commercial potato fields in Idaho. *Environmental Entomology* 46(6).

Nepal, S., C. McIntosh, M.K. Thornton, N. Olsen, P. Nolte and P. Patterson. 2016. Manipulation of physiological seed age of Russet Burbank and Ranger Russet potatoes – Economic evaluation. *American Journal of Potato Research* 93:590-601.

Stark, J.C., R.G. Novy, J.L. Whitworth, N.R. Knowles, M.J. Pavek, M. Thornton, R. Spear, C.R. Brown, B.A. Charlton, V. Sathuvalli, S. Yilma, N. Olsen and T. Brandt. 2016. Mountain Gem Russet: a potato variety with high early and full season yield potential and excellent fresh market and early processing characteristics. *American Journal of Potato Research* 93:158-171.

Whitworth, J.L., R.G. Novy, J.C. Stark, M. Thornton, N.R. Knowles, M.J. Pavek, R. Spear, C.R. Brown, B.A. Charlton, V. Sathuvalli, S. Yilma, T. Brandt and N. Olsen. 2016. Targhee Russet: a high yielding, dual purpose potato variety with high protein and vitamin C content and resistance to tuber soft rot. *American Journal of Potato Research* 93:189-201.

Buhrig, W., M.K. Thornton, C. McIntosh, N. Olsen, and D. Morishita. 2015. The influence of foliar ethephon application on economic returns of Red LaSoda potatoes. *American Journal of Potato Research* 92:697-703.

- Buhrig, W., M.K. Thornton, N. Olsen, D. Morishita and C. McIntosh. 2015. Influence of ethephon application timing and rate on plant growth, yield, and skin color of Red LaSoda potatoes. *American Journal of Potato Research* 92:100-108.
- Thornton, M.K., R. John, and W. Buhrig. 2014. Influence of plant growth regulators and inflorescence removal on plant growth, yield, and skin color of Red LaSoda tubers. *Potato Research* 57:123-131.
- Thornton, M.K., R.G. Novy and J.C. Stark. 2014. Improving phosphorus use efficiency in the future. *American Journal of Potato Research* 91:175-179.
- Novy, R.G., J.L. Whitworth, J.C. Stark, B.A. Charlton, S. Yilma, N.R. Knowles, M.J. Pavek, R.R. Spear, T.L. Brandt, N. Olsen, M. Thornton and C.R. Brown. 2014. Teton Russet: An early maturing, dual purpose potato cultivar having higher protein and vitamin C content, low asparagine, and resistances to common scab and Fusarium dry rot. *American Journal of Potato Research* 91:380-393.
- Whitworth, J.L., R.G. Novy, J.C. Stark, S.L. Love, M. Thornton, B.A. Charlton, S. Yilma, N.R. Knowles, M.J. Pavek, X. Wang and J.J. Pavek. 2014. Huckleberry Gold: A specialty market potato cultivar with purple skin, yellow flesh, high tuber antioxidants, and resistance to potato cyst nematode (H1) and potato virus X (Nb and Rx1). *American Journal of Potato Research* 91:447-458.
- Thornton, M.K., J. Lee, R. John, N. L. Olsen and D. A. Navarre. 2013. Influence of plant growth regulators on plant growth, yield, and skin color of specialty potatoes. *American Journal of Potato Research* 90:271-283.
- Goodwin, W., J. Guenther, C. McIntosh, A. Johnson, P. Watson and M. Thornton. 2012. Economic impacts of increasing the minimum size for Idaho fresh potatoes. *J Food Distribution Research* 43(3):30-42.
- Novy, R.G., J.L. Whitworth, J.C. Stark, B.A. Charlton, S. Yilma, N.R. Knowles, M.J. Pavek, T.L. Brandt, S. Gupta, N. Olsen, M. Thornton, C.R. Brown, D.L. Corsini, J.J. Pavek, S.R. James, D.C. Hane, H. Lozoya-Saldana, and M.L. Vales. 2012. Palisade Russet: A late blight resistant potato cultivar having a low incidence of sugar ends and high specific gravity. *American Journal of Potato Research* 89:89-101.
- Toeys, E.A., J.F. Guenther, A.J. Johnson, C.S. McIntosh and M.K. Thornton. 2011. An industry perspective on all-native and transgenic potatoes. *AgBioForm* 14(1):14-19.
- Toeys, E.A., J.F. Guenther, A.J. Johnson, C.S. McIntosh and M.K. Thornton. 2011. Identity preservation systems for genetically modified potatoes. *American Journal of Potato Research* 88:303-308.
- Atkinson, D., M.K. Thornton and J.S. Miller. 2011. Development of *Rhizoctonia solani* on stems, stolons and tubers of potatoes. II. Efficacy of chemical applications. *American Journal of Potato Research* 88:96-103.
- Thornton, M.K., W. Buhrig, and N. Olsen. 2010. The relationship between soil temperature and sugar ends in potato. *Potato Research* 53:298-296.
- Thornton, M.K., J. Miller, P. Hutchinson and J. Alvarez. 2010. Response of potatoes to soil-applied insecticides, fungicides and herbicides. *Potato Research* 53:351-358.
- Atkinson, D., M.K. Thornton and J.S. Miller. 2010. Development of *Rhizoctonia solani* on stems, stolons and tubers of potatoes. I. Effect of inoculum source. *American Journal of Potato Research* 87:374-381.

- Deweerd, J. W., M.K. Thornton and B. Shafii. 2010. Sprout suppressing residue levels of 1,4dimethylnaphthalene (1,4DMN) in potato cultivars. *American Journal of Potato Research* 87:434-445.
- Thompson, A.L., S.L. Love, J.R. Sowokinos, M.K. Thornton and C.C. Shock. 2008. Review of the sugar end disorder in potato (*Solanum tuberosum*, L.). *American Journal of Potato Research*. 85:375-386.
- Nolte, P., J.L. Whitworth, M.K. Thornton and C.S. McIntosh. 2004. Effect of seedborne Potato virus Y on performance of Russet Burbank, Russet Nokotah and Shepody potato. *Plant Disease*. 88:248-252.
- Duncan, D.R., D. Hammond, J. Zalewski, J. Cudnohufsky, W. Kaniewski, M. Thornton, J. Bookout, P. Lavrik, G. Rogan, and J. Feldman-Riebe. 2002. Field Performance of transgenic potato, with resistance to Colorado potato beetle and viruses. *HortScience* 37(2):275-276.
- Corsini, D. J. Stark and M. Thornton. 1999. Factors contributing to the blackspot bruise potential of Idaho potato fields. *American Journal of Potato Research* 76:221-226.
- Hafez, S.L., S. Al-Rehiyani, M. Thornton and P. Sundararaj. 1999. Differentiation of two geographically isolated populations of *Pratylenchus neglectus* based on their parasitism of potato and interaction with *Verticillium dahlia*. *Nematropica* 29:25-36.
- Al-Rehiyani, S., S. L. Hafez, M. Thornton and P. Sundararaj. 1999. Effects of *Pratylenchus neglectus*, *Bacillus megaterium*, and oil radish or rapeseed green manure on reproductive potential of *Meloidogyne chitwoodi* on potato. *Nematropica* 29:37-49.
- Thornton, M.K., N.J. Malik and R.B. Dwelle. 1996. Relationship between leaf gas exchange characteristics and productivity of potato clones grown at different temperatures. *American Journal of Potato Research* 73:63-77.
- Thornton, M.K. and S.K. Mohan. 1995. Response of sweet Spanish onion cultivars and numbered hybrids to basal plate rot and pink root. *Plant Disease* 80:660-663.
- Sojka, R.E., D.T. Westermann, D.C. Kincaid, I.R. McCann, J.L. Halderson, and M. Thornton. 1993. Zone-subsoiling effects on potato yield and grade. *American Journal of Potato Research* 70:475-484.
- Malik, N.J., R.B. Dwelle, M.K. Thornton, and J.J. Pavek. 1992. Dry matter accumulation in potato clones under seasonal high temperatures in Pakistan. *American Journal of Potato Research* 69:667-676.
- Gawronska, H., M.K. Thornton, and R.B. Dwelle. 1992. Influence of heat stress on dry matter production and photoassimilate partitioning by four potato clones. *American Journal of Potato Research* 69:653-665.
- Cranshaw, W.S., and M.K. Thornton. 1988. Effects of systemic insecticides on potato growth and their interaction with metribuzin. *American Journal of Potato Research* 65:535-541.
- Thornton, M.K., and M. Workman. 1987. Changes in ascorbic acid content of black spot resistant and susceptible potatoes following bruising. *Hortscience* 22:455-457.
- Thornton, M.K., and K.W. Knutson. 1986. The effect of transplant container volume and growing season length on field performance of micro-propagated potatoes. *American Journal of Potato Research* 63:399-410.

- Thornton, M.K. and M.D. Larkin. 1997. Green manure crops and rapeseed meal for pink root control in onions, 1996. *Biol. and Cult. Tests* 12:148.
- Mohan, S.K., M.K. Thornton V.P. Bijman, and M.D. Larkin. 1996. Evaluation of fungicides for control of late blight of potato, 1995. *Fung. and Nemat. Tests* 51:115.
- Mohan, S.K., M.K. Thornton V.P. Bijman, and M.D. Larkin. 1996. Evaluation of ICIA5504 for control of late blight of potato, 1995. *Fung. and Nemat. Tests* 51:121.
- Mohan, S.K., and M.K. Thornton. 1995. Evaluation of fungicides for control of white mold of potato, 1993. *Fung. and Nemat. Tests* 50:133.
- Thornton, M.K. and S.K. Mohan. 1995. Control of soil-borne onion diseases with soil solarization, fumigation and resistant cultivars, 1993. *Biol. and Cult. Tests* 10:138.
- Mohan, S.K., M.K. Thornton and M.D. Larkin. 1995. Evaluation of fungicides for control of early blight of potato, 1994. *Fung. and Nemat. Tests* 50:132.
- Thornton, M.K., S.K. Mohan, E. Knott, and J. Torell. 1994. Control of soil-borne onion diseases with soil solarization, fumigation and resistant varieties, 1992. *Biol. and Cult. Tests* 9:39.
- Mohan, S.K., E.A. Knott, and M.K. Thornton. 1993. Evaluation of fungicide sprays for control of early blight of potato, 1992. *Fung. and Nemat. Tests* 48:158.
- Mohan, S.K., E.A. Knott, and M.K. Thornton. 1993. Evaluation of fungicide sprays for control of early blight of potato, 1992. *Fung. and Nemat. Tests* 48:159.
- Peterson, C.L., G.J. Shropshire, J.C. Thompson, and M.K. Thornton. 1992. Using the instrumented sphere for evaluating handling of sweet Spanish onions. *ASAE Paper* 91-6594.
- Thornton, M.K., S.K. Mohan, J. Torell, and C. Shock. 1992. Response of onion cultivars to basal plate rot and pink root. 1990. *Biol. and Cult. Tests* 7:16.
- Thornton, M.K., S.K. Mohan, J. Torell, and C. Shock. 1992. Response of onion cultivars to basal plate rot and pink root. 1991. *Biol. and Cult. Tests* 7:17.
- Mohan, S.K., M.K. Thornton, and M.M. Seyedbagheri. 1992. Evaluation of fungicide sprays for control of black dot of potato, 1991. *Fung. and Nemat. Tests* 47:114.
- Mohan, S.K., M.K. Thornton, and M.M. Seyedbagheri. 1992. Evaluation of fungicide sprays for control of early blight of potato, 1991. *Fung. and Nemat. Tests* 47:113.
- Mohan, S.K., M.K. Thornton, and M.M. Seyedbagheri. 1991. Evaluation of fungicide sprays for control of white mold, early blight and black dot of potatoes, 1990. *Fung. and Nemat. Tests* 46:154.

Extension Publications:

- Dandurand, L.M., M Thornton, P. Hutchinson, C. Brown, I. Zasada and T. Gresham. 2014. Litchi tomato: Trap crop for *Globodera pallida* control. USDA-APHIS Fact Sheet.
- Woodell, L., N. Olsen, A. Karasev, J. Miller, M. Thornton, P. Wharton and P. Nolte. 2013. Portable test kits for diagnosing potato diseases. University of Idaho Bulletin 863. 7pp.
- Thornton, M., L. Jensen, N. Rimbey, K. Painter and P.E. Patterson. 2012. 2011 costs and returns estimate: Southwestern Idaho and Eastern Oregon: Treasure Valley Onions. EBB2-On-11. University of Idaho. 9pp.

- Thornton, M. 2011. Physiological Disorders. Pg 73-74 in: Commercial Potato Production in North America (W.H. Bohl and S.B. Johnson Eds.) Potato Association of America online publication accessed at: http://potatoassociation.org/documents/A_Production_Handbook_Final_0000.pdf.
- Guenther, J., W. Goodwin, A. Johnson, C. McIntosh, M. Thornton, and P. Watson. 2011. Economic analysis of increasing the minimum size for fresh potatoes. Agricultural Economics Extension Series No. 2011-03.
- Thornton, M., D. Beck, B. Simerly and C. Shock. 2009. Long term storage of onion cultivars. Special Report 1094. Oregon State University. Pg 81-84.
- Pacific Northwest Vegetable Extension Group. 2009. Physiological leaf roll of tomato. Published as a PNW fact sheet, 3pp. Available at http://mtvernon.wsu.edu/path_team/vegpath_team.htm.
- Thornton, M., L. Jensen, P. Patterson and N. Rimbey. 2008. 2007 costs and returns estimates: Treasure Valley Spanish yellow onions. EBB2-On07. University of Idaho. 6pp.
- Barbour, J.D., M. Seyedbagheri, M. Thornton, J.B. Johnson, F. Merickel and J. Alvarez. 2008. Lesser bulb flies on potatoes in the Pacific Northwest. CIS 1150. University of Idaho. 4pp.
- Thornton, M., D. Beck, C. Shock and B. Simerly. 2008. Long term storage of onion cultivars. Special Report 1087. Oregon State University. Pg 81-83.
- Rondon, S.I., S.J. DeBano, G.H. Clough, P.B. Hamm, A. Jensen, A. Schreiber, J.M. Alvarez, M. Thornton, J. Barbour and M. Dogramaci. 2007. Biology and management of the potato tuberworm in the Pacific Northwest. PNW Bulletin 594. Oregon State University. 8pp.
- Bohl, W.H. and M.K. Thornton. 2006. Thumbnail cracks of potato tubers. CIS 1129. University of Idaho. 2pp.
- Miller, J., P. Nolte, N. Olsen, T. Miller, B. Bohl and M. Thornton. 2006. Late blight management action plan for potatoes (revised). CIS 1132. University of Idaho 12 pp.
- Nolte, P., N. Olsen, K. Mohan, W. Bohl, K. Shetty, J. Ojala, M. Thornton, and D. Corsini. 1999. Idaho potato late blight action plan (revised). CIS 1132. University of Idaho 19 pp.
- Thornton, M. K. and W.H. Bohl. 1998. Preventing potato bruise damage. University of Idaho Extension Bulletin 725 (revised). 11pp.
- Eberlein, C.V., R. Boydston, M. Thornton, M. Larkin, and M. Seymour. 1998. Volunteer potato control. CIS 1048 (revised). University of Idaho. 2 pp.
- Shetty, K., M. Casada, H. Zhu, M. Thornton and P. Nolte. 1998. Fresh-pack potatoes: Handling, packaging and transportation in refrigerated rail cars. Bulletin 804. University of Idaho. 15pp.
- Shock, C., H. Miller, L. Jensen, K. Mohan and M. Thornton. 1997. Validation of the "Blitecast" model for prediction of potato late blight development in Oregon. Special Report 949. Oregon State University.
- Lewis, M.D., M.K. Thornton, and G.E. Kleinkopf. 1997. Commercial application of CIPC sprout inhibitor to storage potatoes. CIS 1059. University of Idaho., 4pp.
- Nolte, P., K. Shetty, J. Ojala, K. Mohan, M. Thornton, and D. Corsini. 1997. Idaho potato late blight action plan. University of Idaho 16 pp.
- Nolte, P., M. Thornton, T. Mowry, K. Shetty, J. Ojala, L. Sandvol, R. Stoltz, J. Witworth, and D. Corsini. 1997. Idaho potato net necrosis action plan. University of Idaho 8 pp.

- Eberlein, C.V., R. Boydston and M. Thornton. 1996. Volunteer potato control. CIS 1048. University of Idaho. 2 pp.
- Thornton, M.K. (Contributing Author). 1996. San Luis Valley potato production manual. Bulletin XCM-181. Colorado State University. 169 pp.
- Thornton, M., P. Nolte, K. Shetty, J. Ojala, W. Bohl, K. Mohan, and D. Corsini. 1996. Idaho potato late blight action plan. University of Idaho 16 pp.
- Thornton, M.K. and S. Hafez (Eds.). 1996. Cultural management of green manure crops. PNW Sustainable Agricultural Systems In-Service Education Program. 20 pp bulletin and slide set.
- Mohan, S.K., M.K. Thornton, P. Nolte, and V.P. Bijman. 1996. Late blight of potato and tomato. CIS 1051. University of Idaho. 4pp.
- Love, S.L., M.K. Thornton, and A. Fisk. 1996. Potato processing trial. In: Tri-State Potato Variety Trials-1995. University of Idaho Bulletin SP-16. pp. 96-97.
- Love, S. L., P. Nolte and M.K. Thornton. 1995. Potato seed myths. University of Idaho CIS 1028. 4pp.
- Love, S.L., M.K. Thornton, A. Thompson-Johns, and M. Larkin. 1995. Potato processing trial. In: Tri-State Potato Variety Trials-1994. University of Idaho Bulletin SP-12. pp. 78-79.
- Stieber, T.D., C.C. Shock, E. Feibert, M. Thornton, B.Brown, W. Cook, M.M. Seyedbagheri and D. Westermann. 1995. Nitrogen mineralization in Treasure Valley Soils, 1993 and 1994 results. Special Report 947. Oregon State University. pp. 194-207.
- Bohl, W.H., P. Nolte, G.E. Kleinkopf and M.K. Thornton. 1995. Potato seed management: Seed size and age. University of Idaho CIS 1031. 4 pp.
- Love, S.L., M.K. Thornton, A. Thompson-Johns, and J. Torell. 1994. Potato processing trial. In: Tri-State Potato Variety Trials-1993. Bulletin SP-8. University of Idaho. pp. 69-70.
- Kleinkopf, G.E., M.D. Lewis, C.C. Shock, M.K. Thornton, R.E. Thornton, R.K. Thornton, and D.T. Westermann. 1993. Management practices and sugar end potatoes. PNW 427. University of Idaho. 4 pp.
- Thornton, M.K., S.K. Mohan, D.O. Wilson, R.G. Beaver, and W.M. Colt. 1993. Onion and leek seed production. PNW 433. University of Idaho. 8 pp.
- Love, S.L., M.K. Thornton, A. Thompson-Johns, and J. Torell. 1993. Parma sugar-end trial. In: Tri-State Potato Variety Trials - 1992. Misc. Series No. 165. University of Idaho. pp. 62-65.
- Thompson-Johns, A., M.K. Thornton, P. Nolte, and W.H. Bohl. 1993. Potato production in the home garden. CIS 1000. University of Idaho 4 pp.
- Torell, J.M., M.K. Thornton, and D.W. Morishita. 1993. Yellow nutsedge, *Cyperus esculentus* L. PNW 452. University of Idaho 2 pp.
- Hafez, S., and M.K. Thornton. 1992. Potato nematodes and their control. CIS 925. University of Idaho. 4 pp.
- Levi, A.E., J.K. Fellman, L.D. Makus, and M.K. Thornton. 1992. Market alternatives for Treasure Valley cull onions. Extension Bulletin No. 730. University of Idaho. 16 pp.
- Thompson-Johns, A.L., M.K. Thornton, and S.L. Love. 1992. Parma sugar-end susceptibility trial. In: Tri-State Potato Variety Trials - 1991. Misc. Series No. 159. University of Idaho. pp. 60-61.

- Love, S.L., M.K. Thornton, A.L. Thompson-Johns, and J. Torell. 1992. Parma sugar-end trial. In: Tri-State Potato Variety Trials - 1991. Misc. Series No. 159. University of Idaho. pp. 63-64.
- Thornton, M.K., C. Shock, S.K. Mohan, J. Torell, C. Stanger, and M. Saunders. 1992. Response of onion varieties to basal plate rot and pink root. In: Malheur County Crops Research - 1991. Special Report 899. Oregon State University. pp. 98-104.
- Bohl, W.H., P. Nolte, and M.K. Thornton. 1992. Potato seed selection and management: Seed certification and selection. CIS 974. University of Idaho. 4 pp.
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Presentations:

International:

- The tri-state potato breeding program. Agrarfrost Potato Field Day. Oschersleben, Germany, September 11, 2018. (Invited presentation)
- Sustainable production of new potato varieties. 20th Triennial Conference of the European Association for Potato Research. Versailles, France, July 10, 2017.
- US potato production practices. Farm Frites – Linkage Potato Agronomy Meeting. Wudan City, China, February 20, 2017. (Invited presentation)
- Management of fertilizer inputs. Farm Frites – Linkage Potato Agronomy Meeting. Wudan City, China, February 21, 2017. (Invited presentation)
- Irrigation management. Farm Frites – Linkage Potato Agronomy Meeting. Wudan City, China, February 21, 2017. (Invited presentation)
- Management practices and sugar ends. McCain Foods Spring Grower Meeting. Tabor, Alberta Canada, March 1, 2016. (Invited presentation)
- Relationship of soil temperature to sugar ends. McCain Foods Spring Grower Meeting. Portage la Prairie, Manitoba Canada, March 3, 2016. (Invited presentation)
- Potato crop growth and development. Ontario Potato Conference. Guelph, Ontario Canada, March 5, 2015. (Invited presentation)
- The influence of ethephon on plant growth, yield, tuber size and skin color. Triennial meeting of the European Association for Potato Research. Brussels, Belgium, July 10, 2014.
- The influence of plant growth regulators and inflorescence removal on skin color of Red LaSoda tubers. 2nd International symposium on agronomy and physiology of potatoes. Prague, Czech Republic, September 16, 2013.
- Irrigation management for potatoes. Farm Frites corporate agronomy meeting. Zuidland, Holland, September 9, 2013. (Invited presentation)
- Basis for N and P petiole tests. Farm Frites corporate agronomy meeting. Zuidland, Holland, September 9, 2013. (Invited presentation)

- US potato industry overview. IHAR plant science faculty meeting. Warsaw, Poland, July 3, 2013. (Invited presentation)
- Managing neck rot in Onions. Monsanto global onion team meeting. Madrid Spain, August 7, 2013. (Invited presentation)
- Role of fumigants in controlling diseases and nematodes in onion production. 3rd International conference on onions. Irapuato, Mexico, November 30, 2012. (Invited presentation)
- Impact of cropping practices on the incidence of neck rot disease. 3rd International conference on onions. Irapuato, Mexico, November 30, 2012. (Invited presentation)
- Tools to manage tuber size. Chinese Academy of Agricultural Sciences Seminar, Beijing, China, September 5, 2012. (Invited presentation)
- Potato production in the US. Mianyang Academy of Agricultural Sciences Potato Workshop, Mianyang, China, August 30, 2012. (Invited presentation)
- Importance of early season management practices. Mianyang Academy of Agricultural Sciences Potato Workshop, Mianyang, China, August 30, 2012. (Invited presentation)
- Effect of growing season length on response to seed aging. The 18th Triennial Conference of the European Association for Potato Research, Oulu, Finland, July 26, 2011.
- Improving the appearance of specialty potatoes. The 18th Triennial Conference of the European Association for Potato Research, Oulu, Finland, July 27, 2011.
- Relationship between soil temperature and sugar ends in potato. International Symposium on Agronomy and Physiology of Potato, Nevsehir, Turkey, September 20, 2010.
- Response of potatoes to soil applied insecticides, fungicides and herbicides. International Symposium on Agronomy and Physiology of Potato, Nevsehir, Turkey, September 21, 2010.
- Growth promotion and yield increase of potatoes by new stimulus control technology. Potato Association of America. Fredericton, New Brunswick, August 10, 2009.
- US potato production practices and trends. KAO Corporation Research Meeting, Wakayama, Japan, November 20, 2007. (Invited presentation).
- The relationship between soil temperature and sugar ends in potato. International Solanum Genomics Conference/Potato Association of America Annual Meeting. Madison, WI, July 24, 2006.
- Response of potatoes to soil applied insecticides, fungicides and herbicides. Poster presented at the Sixth World Potato Congress, Boise, ID, August 21-24, 2006.
- Response of potatoes to soil applied insecticides, fungicides and herbicides. Potato Association of America. Calgary, Alberta, July 20, 2005.
- Effect of application method and rate of metam sodium on germination of yellow nutsedge. Poster presented at the Western Society of Weed Science. Vancouver, British Columbia, March 8-10, 2005.
- Effect of seed-borne PVY on performance of yield of three potato varieties. Poster presented at the 15th triennial meeting of the EAPR, Hamburg, Germany, July 14-19, 2002.
- North American experience with NewLeaf. NatureMark Workshop. Summerside, PEI, November 24, 1997.

North American experience with NewLeaf. NatureMark Workshop. Florenceville, New Brunswick November 25, 1997.

ICIA 5504 - Idaho trial results. Zeneca Potato Researchers Symposium. Cancun, Mexico, March 28, 1996. (Invited presentation)

Effect of nitrogen management on Russet Burbank tuber dormancy and response to CIPC. Potato Association of America, Calgary, Canada, July 25, 1994.

Use of humic acid. Alberta Potato Growers Conference, Red Deer, Alberta, November 18, 1992. (Invited presentation)

Bruise reduction during harvest. Alberta Potato Growers Conference, Kananaskis, Alberta, November 28, 1991. (Invited presentation)

Physiological traits as indicators of heat tolerance in potato. Eleventh Triennial Conference of EAPR, Edinburgh, Scotland, July 9, 1990.

Relationship between leaf gas exchange characteristics and productivity of potato clones grown at high temperatures. Potato Association of America, Quebec City, Canada, July 23, 1990.

National:

Participant evaluation summary. GLOBAL project team meeting, Ithaca, NY, March 6-7, 2018

Evaluation of Dakota Russet seed spacing for early harvest processing (poster). Potato Association of America, Boise, ID, July 24, 2018.

Recent advances in management of early die. Syngenta Potato Partners Program. San Antonio, TX, November 14, 2018. (Invited presentation)

Balancing yield and quality in potato production. Yara Top Potato Meeting. San Antonio, TX, November 16, 2018. (Invited presentation)

Phenology of the potato psyllid, *Bactericera cockerelli* (Hemiptera: Troizidea), and "*Candidatus Liberibacter solanacearum*" in commercial potato fields in Idaho (poster). Entomological Society of America, Denver, CO, November, 2017

Bruise management for seed producers. Frito Lay, Inc. Webinar Series. Plano, TX, August 21, 2017.

Inhibition of potato peel on mucosal α -glucosidase for modulating the postprandial glycemic response (poster). American Society for Nutrition, Chicago, IL, April, 2017.

Impact of diseases and new varieties on storage and shipping of fresh potatoes. National Potato Council Expo. San Francisco, CA, January 5, 2017. (Invited presentation)

Field conditions and post-harvest curing practices affecting onion bulb storability in the Treasure Valley of Idaho and Eastern Oregon (poster). National Allium Research Conference, Savannah, GA, December 2, 2016.

Evaluation of Fontelis for pink root control in onions. National Allium Research Conference, Savannah, GA, December 2, 2016.

Management factors that influence bruise damage. Potato Association of America Annual Meeting, Grand Rapids, MI, August 1, 2016.

Alternative eradication strategies for the pale cyst nematode, *Globodera pallida* (poster). National Potato Council Potato Expo, Las Vegas, NV, January 12, 2016.

- New varieties from the Northwest potato variety development program (poster). National Potato Council Potato Expo, Las Vegas, NV, January 12, 2016.
- Evaluation of Vydate and Vertisan programs for reducing the reliance on fumigation in potato production (poster). Potato Association of America, Portland, ME, July 25, 2015,
- Risk assessment and eradication of *Globodera* spp. In U. S. production of potato (poster). Society of Nematology, East Lansing, MI, July 19, 2015.
- Role of Vydate and Vertisan in potato health. Dupont National Marketing meeting. Lihue, HI, February 6, 2015. (Invited presentation)
- Evaluation of Vydate and Vertisan programs for reducing the reliance on fumigation in potato production (poster). National Potato Council Potato Expo, Orlando, FL, January 7, 2015.
- Understanding potato growth and development and how it affects management practices. International Crops Expo, Grand Forks, North Dakota, February 20, 2014. (Invited presentation)
- Effect of growing season length on response to seed aging (poster). National Potato Council potato expo. Las Vegas, NV, January 11, 2013.
- Response of new potato cultivars to drought (poster). National Potato Council potato expo. Las Vegas, NV, January 11, 2013.
- Tools to manage stem number and tuber size. 5th annual Syngenta potato partners program. San Diego, CA., December 8, 2012. (Invited presentation)
- Improving phosphorus use efficiency in the future. Potato Association of America, Denver, CO, August 13, 2012. (Invited presentation for opening symposium).
- Current issues affecting the potato industry. Gowan US Business Meeting. Yuma, AZ, November 10, 2011. (Invited presentation)
- Achieving sustainable potato production through the use of new potato cultivars with reduced fungicide requirements. Potato Association of America, Wilmington, NC, August 14-18, 2011.
- The influence of Ethephon, 1-MCP, 2,4-D and flower removal on color and appearance of Red LaSoda. Potato Association of America, Wilmington, NC, August 14-18, 2011.
- Factors that cause sugar and sugar end development. Simplot Variety and Agronomy Symposium, Caldwell, ID, March 2, 2011
- Physiological maturity. Simplot Variety and Agronomy Symposium, Caldwell, ID March 2, 2011.
- Improving the appearance of specialty potatoes. National Potato Council Potato Expo, Las Vegas, NV, January 5-7, 2011.
- Use of potato disease detection test kits for rapid field and storage diagnosis. National Potato Council Potato Expo, Las Vegas, NV, January 5-7, 2011.
- Response of new potato varieties to reduced management inputs. National Potato Council Potato Expo, Las Vegas, NV, January 5-7, 2011.
- Onion response to long term cold storage. National Allium Research Conference, Sparks, NV, December 9, 2010.
- Impact of planting date and first irrigation timing on onion seed production. National Allium Research Conference, Sparks, NV, December 10, 2010.

- The influence of 2,4-D, NAA and LPE on the appearance of specialty potatoes. Potato Association of America Annual Meeting. Corvallis, OR, August 17, 2010.
- Sources of variability in potato quality. Food and Drug Administration Fact Finding Tour. Caldwell, ID, July 28, 2010.
- Impact of nematodes on Idaho agriculture. Society of Nematology Annual Meeting. Boise, ID, July 11, 2010.
- Early season management. Simplot Variety and Agronomy Symposium. Caldwell, ID, February 16, 2010.
- Management practices and new varieties. Simplot Variety and Agronomy Symposium. Caldwell, ID, February 16, 2010.
- Impact of maturity on processing quality and bruise. Simplot Variety and Agronomy Symposium. Caldwell, ID, February 17, 2010.
- Potato programs at PREC. National Potato Council Research Brainstorming Session. Orlando, FL, January 6, 2010.
- Reducing pesticides and increasing potato yield by increasing time between potato crops. Poster presented at the ASA-CSSA-SSSA International Meeting, Pittsburg, PA November 1, 2009.
- Impact of stress on tuber quality. Simplot National Variety and Agronomy Meeting. Caldwell, ID, February 26, 2009.
- Impact of carbamate insecticides on thrips populations and iris yellow spot virus incidence in onions. Poster presented at the National Allium Research Conference, Savannah, GA, December 12, 2008.
- Strategies to improve early season thrips control and suppress and iris yellow spot virus in onions. National Allium Research Conference, Savannah, GA, December 12, 2008.
- Potato variety response to phosphorus fertilizer. Potato Association of America Annual Meeting, Buffalo, NY, August 11, 2008.
- Growth promotion and yield increase of potatoes by new stress control technology. Potato Association of America Annual Meeting, Buffalo, NY, August 11, 2008.
- Effect of seed borne PVY on performance of Russet Burbank, Russet Norkotah, and Shepody potatoes. Potato Association of America Annual Meeting, Idaho Falls, ID, August 13, 2007.
- Response of potatoes to soil applied insecticides, fungicides and herbicides. Potato Association of America Annual Meeting, Idaho Falls, ID, August 13, 2007.
- Response of potatoes to soil applied insecticides, fungicides and herbicides. Poster presented at the Potato Association of America Annual Meeting, Idaho Falls, ID, August 14, 2007.
- Potato research at the Parma R&E Center. Poster presented at the Potato Association of America Annual Meeting, Idaho Falls, ID, August 14, 2007.
- Affect of growing season length on response to seed aging. Potato Association of America Annual Meeting, Idaho Falls, ID, August 15, 2007.
- The role of application timing, tuber dormancy, soil temperature, and tillage in efficacy of yellow nutsedge control with metam sodium. National Allium Research Conference, College Station, TX, December 8, 2006.
- Factors influencing development of neck rot in stored onions. National Allium Research Conference, College Station, TX, December 8, 2006.

- Effect of in-furrow insecticides and fungicides on Rhizoctonia canker of potato. Soil Fungus Conference, Reno, NV, March 23, 2006.
- Bulb-to-bulb transmission of *Botrytis allii* in dry bulb onion production. Poster presented at the American Society for Horticultural Science Annual Meeting. New Orleans, LA, July 29, 2006.
- Factors influencing development of neck rot in stored onions. National Allium Research Conference, College Station, TX, December 8, 2006.
- Thrips control with Carzol SP. National Onion Meeting, Yuma, AZ, December 11, 2006. (Invited presentation)
- Potato research in Southwest Idaho. Syngenta National Potato Research Meeting, San Diego, CA, November 8, 2005. (Invited presentation)
- Managing potato size. Simplot National Potato Quality Conference, Boise, ID, June 28, 2005.
- Evaluation of leafhopper species related to the potato crop in Idaho. Poster presented at the National Entomological Society of America. Salt Lake City, UT, November 14-17, 2004.
- Biofumigation with mustard, canola and oilseed radish as an alternative to metam sodium for control of pink root and weeds in onions. Poster presented at the National Allium Research Conference. Grand Junction, CO, December 9-10, 2004.
- Effect of application method and rate of metam sodium on germination of yellow nutsedge. National Allium Research Conference. Grand Junction, CO, December 10, 2004
- Successful experiences in extension potato programming. Potato Association of America Annual Meeting. Scottsbluff, NE, August 9, 2004 (Invited speaker for Extension Section Symposium on the Future Role of Extension).
- Influence of fumigation with Vapam on chipping potato yield, size and internal quality in Nebraska. Potato Association of America, Spokane, Washington, August 12, 2003.
- The rise and fall of Newleaf potatoes. National Agricultural Biotechnology Council Conference. Seattle, WA, June 2, 2003. (Invited presentation)
- Target applications of Vapam/K-Pam to key pests for best results. Poster presented at the Methyl Bromide alternatives conference, November 7, 2002, Orlando, Florida.
- Summary of seed treatment trials in genetically improved potato varieties. Novartis National Crop Protection Workshop. Greensboro, North Carolina, November 17, 1998. (Invited presentation)
- Harvest and storage impact on chip quality. Frito-Lay Best Practices Seminar. Bangor, Maine, March 20, 1998. (Invited presentation)
- Growing the perfect chip potato. Frito Lay Storage Management Workshop. Kearney, Nebraska, August 15, 1998. (Invited presentation)
- Disease control results with 1996 recommendations. ISK Biosciences Potato Disease Management Symposium. Myrtle Beach, South Carolina, February 24, 1997. (Invited presentation)
- Harvester calibration to reduce bruising. National Potato Chip Seminar. Boston, Massachusetts, March 2, 1996. (Invited presentation)
- Control of soil-borne onion diseases with solarization, fumigation, and resistant onion cultivars. American Society of Horticultural Science, Corvallis, Oregon, August 9, 1994.

- Seed quality from the seed tuber standpoint. Zeneca Potato Research Update, San Francisco, California, April 8, 1994. (Invited presentation)
- Field performance of potato lines transformed for high tuber dry matter content. International Symposium on the Molecular Biology of the Potato, Santa Cruz, California, July 29, 1993.
- Field evaluation of potato lines transformed for high tuber solids content. Potato Association of America, Madison, Wisconsin, August 10, 1993.
- Early blight control. Rhone-Poulenc Potato Special Emphasis Seminar, Snowbird, Utah, December 14, 1993. (Invited presentation)
- Onion storage management. National Onion Association Annual Meeting, Boise, Idaho, July 22, 1992.
- Green manure rapeseed, rapeseed meal and chitin amendments from shellfish for Columbia root-knot nematode control. Potato Association of America Annual Meeting, Spokane, Washington, August 12, 1991.
- Estimating hail damage loss in onions. National Onion Research Conference, Savannah, Georgia, December 5, 1991.
- Use of sclerotial germination stimulants to manage inoculum density of white rot. National Onion Research Conference, Savannah, Georgia, December 6, 1991.
- Effect of high temperature on tuber initiation and growth. Potato Association of America, Fort Collins, Colorado, July 26, 1988.
- Dry matter distribution and ¹⁴C partitioning as influenced by heat stress. Potato Association of America, Fort Collins, Colorado, July 26, 1988.
- Field performance of minitubers as affected by size and greenhouse harvest date. Potato Association of America, Ithaca, New York, July 29, 1986.
- The effect of transplant container volume and growing season length on field performance of micropropagated potatoes. Potato Association of America, Boise, Idaho, July 30, 1985.
- Regional:**
- Bruise management. Idaho Potato Conference, Pocatello, ID, January 17, 2018.
- In-field troubleshooting. Idaho Potato Conference, Pocatello, ID, January 18, 2018.
- Pink root biology and management, Idaho-Malheur County Onion Growers Associations Annual Meeting, Ontario, OR, February 6, 2018.
- Pink root management trials, Orange County Onion School, Middletown, NY, February 28, 2018. (Invited presentation via video)
- Seed potato planting and handling, Simplot tour for Argentinian potato producers, Caldwell, ID, June 25, 2018.
- Scouting potato crops, Winnemucca Farms Intern Training, Winnemucca, NV, July 2, 2018.
- Bruise prevention, Lamb Weston Storage Training Seminar, Kennewick, WA, August 7, 2018.
- Quality project update. Idaho Grower-Shippers Association. Sun Valley, ID, August 29, 2018.
- Management of pink root in onions. Idaho Association of Plant Protection. Twin Falls, ID, November 8, 2018.

- Quality project update. Idaho Potato Commission Great Big Harvest Tour. Blackfoot, ID, November 14, 2018. Pest management in onions and potatoes.
- University of Idaho Pesticide License Recertification Course, Caldwell, ID, December 13, 2017.
- How drip irrigation has changed the onion industry in Idaho. Plant Science Departmental Seminar. Moscow, ID, December 1, 2017.
- Bruise management during harvest and storage. Idaho Potato Commission Great Big Harvest Tour. Blackfoot, ID, November 14, 2017.
- Pink root control in onions, Winfield Solutions Agronomy Tour, Parma, ID, August 10, 2017.
- Pink root control and fertilizer formulations for onion production, Parma Research and Extension Center Field Day, Parma, ID, June 21, 2017.
- Drip irrigation and biofungicides for potato production, Parma Research and Extension Center Field Day, Parma, ID, June 21, 2017.
- Potato research at the Parma R&E Center, Idaho Potato Industry Tour, Parma, ID, April 10, 2017.
- Litchi Tomato as a trap crop in Idaho. APHIS PCN Meeting, Idaho Falls, ID, March 6, 2017.
- Bruise management. Idaho Potato Conference, Pocatello, ID, January 18, 2017.
- Alternatives to fumigation. Idaho Potato Conference, Pocatello, ID, January 19, 2017.
- Nitrogen management effects on processing quality and acrylamide, Idaho Potato Conference, Pocatello, ID, January 19, 2017.
- Controlling storage problems in dry bulb onions and proper use of MH-30. Pacific Northwest Vegetable Conference. Kennewick, WA, November 16, 2016. (Invited presentation)
- Value of improving soil health and soil preparation during the cycle before potatoes are planted. Conservation in Action Tour. Wilder, ID, August 24, 2016.
- Water and nitrogen use efficiency in potatoes. National Potato Council Summer Meeting, Park City, UT, July 12, 2016.
- Heat stress in potatoes. Lamb Weston Basin Farm Meeting. Kennewick, WA, February 5, 2016. (Invited presentation)
- Management factors that influence bruise damage. Grant 4D Farm Meeting. Rupert, ID, September 2, 2016.
- Quality problems in fresh potato shipments. Idaho Grower Shippers Annual Meeting. Sun Valley, ID, August 31, 2016.
- Drip irrigation for potato and onion crops in the Treasure Valley. WERA 1017 Tour. Parma, ID, July 7, 2016.
- Managing the potato crop for heat and water stress. Simplot Food Group. Caldwell, ID. June 15, 2016.
- Potato research program. Agriculture in the Classroom Tour. Parma, ID. June 8, 2016.
- Issues in onion storage. Simplot Grower Solutions Crop Advisors. Ontario, OR. March 15, 2016.
- Pink root management. Idaho/E. Oregon Onion Growers Annual Meeting, Ontario, OR. February 2, 2016.

- Pink root panel discussion. Idaho/E. Oregon Onion Growers Annual Meeting, Ontario, OR. February 2, 2016.
- Bruise management. Idaho Potato Conference, Pocatello, ID, January 20, 2016.
- Irrigation management. Idaho Potato Conference, Pocatello, ID, January 20, 2016.
- Seed preparation and planting for optimum stand in potato. Hermiston Farm Fair, Hermiston, OR, December 2, 2015. (Invited presentation)
- Pink root control in onions. Idaho Association of Plant Protection. Jerome, ID, November 5, 2015.
- Agronomy research at Parma. Agronomy and Soil Fertility Advisory Committee. Jerome, ID. November 5, 2015.
- Harvest management. Wada Farm Managers Meeting. Pingree, ID. July 8, 2015.
- Dupont V2 potato program. Simplot Technology Tour. Wilder, ID. June 23, 2015.
- Potato research program. Potato Industry Tour. Parma, ID. April 6, 2015.
- Litchi Tomato as a trap crop in Idaho. House Ag Affairs Committee. March 16, 2015.
- The green bridge. Western Labs Onion School. Parma, ID. February 4, 2015.
- Agronomic and storage characteristics of new low acrylamide lines. Idaho Potato Conference, Pocatello, ID, January 21, 2015.
- Best practices for specialty potatoes. Idaho Potato Conference, Pocatello, ID, January 22, 2015.
- Potato cyst nematode eradication update. Idaho Potato Conference, Pocatello, ID, January 22, 2015.
- Thrips control in drip irrigated onions. Pesticide applicator recertification training, Caldwell, ID, December 11, 2014.
- Evaluation of Vydate and Vertisan as an alternative to fumigation in ID. Simplot/Dupont joint research review. Caldwell, ID, November 20, 2014.
- Management of onions to mitigate storage rot. Pacific Northwest Vegetable Association conference. Kennewick, WA, November 12, 2014. (Invited presentation)
- Nitrogen management in onions and potatoes. WSARE Administrative Council meeting. Parma, ID, August 5, 2014.
- Joint Simplot/UI research projects. Simplot Agronomic field day. Parma, ID, June 18, 2014.
- Field trials with Litchi Tomato. PCN research meeting. Boise, ID, April 3, 2014.
- Specialty varieties. Potato Variety Selection Advisory Committee meeting. Aberdeen, ID, March 5, 2014.
- Potato irrigation practices. McCain Foods grower meeting. Burley, ID, February 26, 2014.
- Realizing the promise of research for Idaho agriculture. Idaho Ag Summit. February 18, 2014.
- Thrips control in drip irrigated onions. Idaho/Malheur County Onion Growers Annual Meeting, Ontario, OR, February 4, 2014.
- Potato research at the University of Idaho. UPNA fact finding tour. Parma, ID, January 28, 2014.

- Parma field trials. PCN research meeting. Pocatello, ID, January 23, 2014.
- Potato crop development. Idaho Potato Conference, Pocatello, ID, January 22, 2014.
- Sugar end development. Idaho Potato Conference, Pocatello, ID, January 22, 2014.
- Myth Busters (workshop). Idaho Potato Conference, Pocatello, ID, January 22, 2014.
- Understanding heat and water stress in relation to sugar end development. McCain Foods grower meeting. Burley, ID, March 16, 2013. (Invited presentation)
- Management of Zebra Chip. McCain Foods grower meeting. Burley, ID, March 16, 2013. (Invited presentation)
- Importance of early season thrips control in onions. Clearwater Supply Winter Seminar, Ontario, OR, February 6, 2013. (Invited presentation)
- Parma update. PCN research end of year meeting. Boise, ID, March 5, 2013.
- Thrips control in drip irrigated onions. Idaho/Malheur County Onion Growers Annual Meeting, Ontario, OR, February 5, 2013.
- Neck rot in onions. Idaho/Malheur County Onion Growers Annual Meeting, Ontario, OR, February 5, 2013.
- Optimizing appearance of specialty potatoes. Washington/Oregon Potato Conference. Kennewick, WA, January 29, 2013.
- Management of trap crops (workshop). Idaho Potato Conference, Pocatello, ID, January 23, 2013.
- Mythbusters (workshop). Idaho Potato Conference, Pocatello, ID, January 24, 2013.
- Potato crop development (part of potato science course). Idaho Potato Conference, Pocatello, ID, January 23, 2013.
- Application of pesticide through drip irrigation. Idaho Association of Plant Protection, Jerome, ID, November 7, 2012.
- Potato physiology and management. Campbell-Kroeker Farms Winter Meeting. Orlando, FL, January 4, 2012. (Invited presentation)
- Onion thrips control. Western Region SLR/CLC Meeting. Boise, ID, March 14, 2012. (Invited presentation)
- Research with Vertisan and Verimark on potatoes and onions. DuPont Crop Protection Seminar. Sun Valley, ID, November 29, 2011. (Invited presentation)
- Controlling insects and diseases in onions. Far West Idaho Winter Conference. Twin Falls, ID, January 10, 2012. (Invited presentation)
- Diagnosing field problems (Workshop). Idaho Potato Conference, Pocatello, ID, January 18, 2012.
- Sustainable production of new potato varieties (Workshop). Idaho Potato Conference, Pocatello, ID, January 18, 2012.
- Early season management (Workshop). Idaho Potato Conference, Pocatello, ID, January 18, 2012.
- New varieties for fresh pack (Workshop). Idaho Potato Conference, Pocatello, ID, January 19, 2012.

- Packaging and shipping quality potatoes (Workshop). Idaho Potato Conference, Pocatello, ID, January 19, 2012.
- Research on sweet potato production in Idaho. Heinz Agronomy Meeting, Ontario, OR, February 6, 2012.
- Evaluation of new soil fumigants for onion production. Idaho/Malheur County Onion Growers Annual Meeting, Ontario, OR, February 7, 2012.
- Pesticide use in drip irrigation. Clearwater Supply Winter Seminar, Ontario, OR, February 8, 2012. (Invited presentation)
- Irrigation management for potatoes. Simplot Agronomy Meeting, Boise, ID, June 25, 2012. (Invited presentation)
- Potato physiology. Simplot Agronomy Meeting, Boise, ID, June 25, 2012. (Invited presentation)
- Thrips control in drip irrigated onions. PREC onion field tour, Parma, ID, August 8, 2012.
- Potato variety development in the Pacific Northwest. PREC tour for HZPC, August 20, 2012.
- Potato research programs at the University of Idaho, USPB Frozen Potato Trade Mission, Boise, ID, October 8, 2012. (Invited presentation)
- Thrips control in drip irrigated onions. PREC Onion Field Tour, Parma, ID, August 11, 2011.
- The risks associated with early planting. Magic Valley Agronomy Meeting, Acequia, ID, March 31, 2011.
- Successes and challenges in potato variety development. Idaho Ag Summit, Boise, ID, February 15, 2011.
- Planting onions for size and yield. Clearwater Supply Winter Seminar, Ontario, OR, February 2, 2011.
- Diagnosing field problems. Idaho Potato Conference, Pocatello, ID, January 19, 2011.
- Management of new potato varieties. Flying H Farms Agronomy Meeting, Pine, ID, January 14, 2011.
- Is fungicide placement important in controlling Rhizoctonia of potatoes? Idaho Association of Plant Protection, Jerome, ID, November 8, 2010.
- Crop management research at PREC. Idaho FFA Commodity Tour. Parma, ID, July 12, 2010.
- IPM research at PREC. Western Region Pesticide Meeting Tour. Parma, ID, May 19, 2010.
- Performance of specialty varieties in Idaho. Potato variety selection advisory committee meeting, Aberdeen, ID, February 25, 2010.
- Managing neck rot of onion in field and storage. WPVGA Grower Conference. Stevens Point, WI, February 3, 2010.
- Growing potato under deficit irrigation. WPVGA Grower Conference. Stevens Point, WI, February 3, 2010.
- Implications of stem number and effects on tuber size and marketable yield in Idaho. Idaho Potato Conference, Pocatello, ID, January 21, 2010.
- Diagnosing field problems (Workshop). Idaho Potato Conference, Pocatello, ID, January 20, 2010.
- Hail damaged potatoes (Workshop). Idaho Potato Conference, Pocatello, ID, January 20, 2010.
- Harvesting bruise free. Oregon State University potato workshop, Ontario, OR, Dec 10, 2009.

- Foreign material. Oregon State University potato workshop, Ontario, OR, Dec 10, 2009.
- Impact of biotechnology on potato. Simplot Grower Solutions winter meeting, Boise, ID, Dec 8, 2009.
- Harvest management. Idaho Grower/Shipper annual convention, Sun Valley, ID, September 2, 2009.
- Research programs at the Parma R&E Center. Ag in the classroom summer tour, Parma, ID, July 14, 2009.
- Research programs at the Parma R&E Center. Treasure Valley Ag tour, Parma, ID, July 8, 2009.
- PCN research at Parma. PCN research update meeting, Portland, OR, June 9, 2009.
- Factors in thrips and virus control in onions. Oregon State University thrips seminar, Ontario, OR, May 19, 2009.
- New variety management. RD Offutt company annual meeting. St. Paul, MN. February 18, 2009. (Invited presentation)
- Irrigation management. RD Offutt company annual meeting. St. Paul, MN. February 18, 2009. (Invited presentation)
- Influence of soil applied pesticides on potatoes. RD Offutt company annual meeting. St. Paul, MN. February 19, 2009. (Invited presentation)
- Planting for optimum yield and bulb size. Idaho/ Eastern Oregon Onion Growers Association Annual Meeting, Ontario, OR, February 3, 2009.
- White rot biology and potential changes to control orders. Idaho/ Eastern Oregon Onion Growers Association Annual Meeting, Ontario, OR, February 3, 2009.
- Influence of soil-applied pesticides on potatoes. Washington Potato Conference. Kennewick, WA, January 28, 2009. (Invited presentation)
- Management of soil and seed sources of Rhizoctonia with fungicides. Washington Potato Conference. Kennewick, WA, January 27, 2009. (Invited presentation)
- The risks of planting early. Idaho Potato Conference, Pocatello, ID. January 22, 2009.
- Off the showroom floor: Driving lessons for new varieties (Workshop). Idaho Potato Conference, Pocatello, ID. January 22, 2009.
- Current issues affecting the potato industry. Idaho Potato Conference, Pocatello, ID. January 21, 2009.
- Vegetable diagnostic workshop. Pacific NW Vegetable Association Annual Conference, Kennewick, WA. November 18, 2008. (Invited presentation)
- Planting for onion size and yield. Pacific NW Vegetable Association Annual Conference, Kennewick, WA. November 19, 2008. (Invited presentation)
- Thrips control in onions. Idaho/ Eastern Oregon Onion Growers Association Annual Meeting, Ontario, OR, February 5, 2008.
- Research on trap crops and green manures. PCN Research Meeting, Moscow, ID, May 28, 2008.
- Tools to manage seed physiology. Idaho Seed Potato Growers Seminar, Pocatello, ID, January 22, 2008.

- Effects of heat and water stress on tuber appearance and quality. Idaho Potato Conference, Pocatello, ID. January 24, 2008.
- Affect of stress on tuber quality. Idaho Potato Pest Management Association Meeting, Wendell, ID. February 7, 2008.
- Overview of research programs at PREC. Dean's Advisory Board Tour, Parma, ID. June 9, 2008
- Potato and onion research trials. University of Idaho Vegetable Field Tour, Parma, ID. July 8, 2008.
- Is the carbamate kick real? Idaho Association of Plant Pathology. Jerome, ID, November 5, 2008.
- Potato variety response to phosphorus fertilizer. Idaho Nutrient Management Conference, Jerome, ID. March 4, 2008
- The role of plant health in IYSV expression. Idaho/ Eastern Oregon Onion Growers Association Annual Meeting, Ontario, OR, February 6, 2007.
- Research on control of yellow nutsedge. Idaho/ Eastern Oregon Onion Growers Association Annual Meeting, Ontario, OR, February 6, 2007.
- Factors in potato tuber set. Idaho Potato Conference, Pocatello, ID, January 17, 2007.
- Response of potatoes to soil applied insecticides. Idaho Potato Conference, Pocatello, ID. January 17, 2007.
- Impact of P nutrition on potato cultivars. Idaho Potato Conference, Pocatello, ID. January 17, 2007.
- Pesticide interactions. Idaho Potato Pest Management Association Meeting, Jerome, ID. February 13, 2007.
- Vegetable varieties for SW Idaho. Living on the Land Workshop, Parma, ID. May 8, 2007.
- Best management strategies for thrips control. Onion Thrips Control Seminar, Ontario, OR. June 6, 2007.
- Potato and onion research trials. Gowan Field Representative Field Tour, Parma, ID. July 10, 2007.
- Research programs at the Parma R&E Center. PNVA Steering Committee Tour, Parma, ID. July 10, 2007.
- Response of potatoes to soil applied insecticides, fungicides and herbicides. Hermiston Farm Fair, Hermiston, OR, November 29, 2006. (Invited presentation)
- Interaction of soil applied fungicides and insecticides in potatoes. Columbia Basin Crop Consultants meeting, Moses Lake, WA, January 20, 2006. (Invited presentation)
- Neck rot studies. Idaho/ Eastern Oregon Onion Growers Annual Meeting. Ontario, OR, February 7, 2006.
- Thrips and Iris Yellow Spot Virus. Idaho/ Eastern Oregon Onion Growers Annual Meeting. Ontario, OR, February 7, 2006.
- Potato specific gravity. OSU Potato Workshop. Ontario, OR, February 9, 2006.
- World Potato Congress demonstration trials. WPC Farm Show Media Day. Wilder, ID, June 8, 2006.
- Insect resistance management. Onion Thrips and IYSV Seminar. Ontario, OR and Parma, Weiser, ID, June 12, 14, 15, 2006.
- Managing tuber size. Idaho Potato Conference, Pocatello, ID, January 18, 2006.

- Potato tuberworm in SW Idaho (Workshop). Idaho Potato Conference, Pocatello, ID, January 19, 2006.
- Onion and potato research programs at the Parma R&E Center. Parma R&E Center Field Day, Parma, ID, July 7, 2006.
- Thrips control and IYSV – Are they related? Idaho Association of Plant Pathology. Jerome, ID, November 8, 2006.
- Influence of management practices on development of neck rot. Pacific NW Vegetable Association Annual Conference, Pasco, WA. November 16, 2005. (Invited presentation)
- Response of potatoes to soil applied insecticides, fungicides and herbicides. Hermiston Farm Fair, Hermiston, OR, November 30, 2005. (Invited presentation)
- Potato physiological disorders. Last chance CCA workshop. Parma, ID, December 8, 2005.
- Physiology of heat and water stress affecting quality. International Crops Expo. Fargo, ND, February 16, 2005. (Invited presentation)
- Compaction, fertility and water interactions. Far West Agribusiness 32nd Annual Chemical and Fertilizer Conference. Jackpot, NV, January 11, 2005.
- Bulb to bulb transmission of *Botrytis allii* in yellow storage onions. Far West Agribusiness 32nd Annual Chemical and Fertilizer Conference. Jackpot, NV, January 11, 2005.
- Control of onion thrips with drip-irrigated Vydate. Dupont Vydate workshop. Ontario, OR, November 1, 2005.
- Risks associated with early potato planting. Idaho Potato Conference. Pocatello, ID, January 19, 2005.
- Processing and industry requirements. Idaho Potato Conference. Pocatello, ID, January 19, 2005.
- Sugars and solids during potato growth and storage (Workshop). Idaho Potato Conference. Pocatello, ID, January 19, 2005.
- Disease and insect potential of onion culls and non-harvested onions. Idaho/ Eastern Oregon Onion Growers Annual Meeting. Ontario, OR, February 1, 2005.
- Cultural management to meet new contract incentives. Simplot field department grower meeting. Glens Ferry, ID, May 12, 2005.
- Overview of Parma R&E Center. Idaho Mint Field Day, Parma, ID, June 17, 2005.
- Cultural management to meet new contract incentives. Simplot field department grower meeting. Caldwell, ID, July 11, 2005.
- Overview of Parma R&E Center. Dry Bean Field Tour, Parma, ID August 17, 2005.
- Effect of management practices on neck rot in onions. Idaho Association of Plant Pathology. Jerome, ID, November 9, 2005.
- Soil applied pesticides – Are they causing disease? Idaho Association of Plant Pathology. Jerome, ID, November 10, 2005.
- Risks associated with early potato planting. Montana Seed Seminar. Bozeman, MT, November 12, 2004. (Invited presentation)

- Tuber growth and bulking. RDO Winter Agronomy Meetings. Colorado Springs, CO, December 9, 2004. (Invited presentation)
- Nutrient management. RDO Winter Agronomy Meetings. Colorado Springs, CO, December 9, 2004. (Invited presentation)
- Impact of stress on physiology of potato plants. RDO Winter Agronomy Meetings. Minneapolis, MN, January 30, 2004. (Invited presentation)
- Factors that determine potato yield. RDO Winter Agronomy Meetings. Minneapolis, MN, January 30, 2004. (Invited presentation)
- Managing for potential yield and quality. RDO Winter Agronomy Meetings. Minneapolis, MN, January 30, 2004. (Invited presentation)
- Influence of heat and drought stress on potato and management practices to minimize stress. Wisconsin Vegetable Growers Association Spring Irrigation Workshop. Plover, WI, March 30, 2004. (Invited presentation)
- Physiology of heat and water stress. Idaho Potato Conference. Pocatello, ID, January 21, 2004.
- Managing water for optimal yield and quality (Workshop). Idaho Potato Conference. Pocatello, ID, January 21, 2004.
- Tillage compaction and soil management (Workshop). Idaho Potato Conference. Pocatello, ID, January 22, 2004.
- Pesticide use and soil quality in conventional and alternative cropping systems. Idaho Potato Conference. Pocatello, ID, January 22, 2004.
- Impact of irrigation and other factors on plant development and yield. Idaho Potato Pest Management Association. Wendell, ID, February 19, 2004.
- Potato research program. Parma R&E Center Field Day, Parma, ID June 29, 2004.
- Bulb to bulb transmission of *Botrytis allii* in yellow storage onions. Idaho Association of Plant Pathology. Jerome, ID, November 4, 2004.
- In-furrow and seed piece fungicide treatments for *Rhizoctonia solani* on potato. Idaho Association of Plant Pathology. Jerome, ID, November 4, 2004.
- Sugar ends in potatoes. Idaho Crop Production Association Annual Meeting. Jackpot, Nevada, January 15, 2003.
- Effects of heat and water stress on potato physiology. Oregon Potato Conference. Ontario, Oregon, January 27, 2003. (Invited presentation)
- Causes of translucent or sugar ends in potatoes. Bingham Coop Grower Seminar. Blackfoot, Idaho. February 18, 2003.
- Whys and how's of fumigating the soil with Vapam. Simplot pre-harvest growers meeting. Grand Forks, North Dakota, August 22, 2003.
- Controlling white mold in potatoes. AgriNorthwest Winter Meetings. Pasco, Washington, February 10, 2003.
- White mold in beans and potatoes. AMVAC White Mold Seminar. Pasco and Moses Lake, Washington, May 13 and 14, 2003.

- Vapam/K-Pam update. AMVAC Fall Fumigation Seminar. Kennewick and Moses Lake, Washington, August 26 and 27, 2003.
- Observations on black dot of potato. Idaho Association of Plant Pathology. Twin Falls, ID, November 5, 2003.
- Options for fungicide tank mixes. AMVAC Technical Seminar on White Mold. Pasco, Washington, May 29, 2002.
- Properties of PCNB. AMVAC Technical Seminar on White Mold. Blackfoot and Burley, Idaho, July 2, 2002.
- Vapam and K-Pam properties. AMVAC Fall Fumigation Seminar. Kennewick and Moses Lake, Washington. September 4, 2002.
- Do's and don'ts of fumigation. Nutsedge Management Seminar. Ontario, Oregon, September 13, 2002.
- Getting the most out of fumigation. R.D. Offutt Co Winter Meetings. Park Rapids, Minnesota, December 10, 2002. (Invited presentation)
- New pest control strategies for potatoes. Idaho Crop Protection Winter Meeting. Jackpot, NV, January 3, 2001.
- Potato growth and physiology. R.D. Offutt Co Winter Meetings. Brainerd, Minnesota, January 24, 2001. (Invited presentation)
- Planning your seed purchases. San Luis Valley Potato/Grain Conference, Monte Vista, Colorado, February 13, 2001. (Invited presentation)
- Types of bruise associated with harvesting and handling. Agro-Engineering Bruise Prevention Workshop, Monte Vista, Colorado. July 28, 2001. (Invited presentation)
- The near and long term future of GMO potatoes – Panel Discussion. Idaho Potato Conference. Pocatello, Idaho, January 19, 2000.
- Performance of Shepody lines with resistance to PVY. NatureMark Workshop. Pasco, Washington, January 24, 2000.
- Management of NewLeaf Potatoes. Cargill Fertilizer Winter Workshop. Twin Falls, Idaho Falls, Pocatello and Burley, ID, January 13-14, 1999.
- Management of sugar end potatoes. R.D. Offutt Co Winter Meetings. Brainerd, Minnesota, January 26, 1999. (Invited presentation)
- NewLeaf Plus and Shepody Y. NatureMark Potato Field Day. Ephrata, Washington and Hermiston, Oregon, August 11 and 12, 1999.
- Performance of Shepody lines with resistance to PVY. NatureMark Workshop. Ontario, Oregon, December 7, 1999.
- Potato workshop. Idaho Crop Production Association Annual Meeting. Jackpot, Nevada, January 5, 1999.
- Potato workshop. Idaho Crop Production Association Annual Meeting. Jackpot, Nevada, January 5, 1998.
- Potato growth and development. R.D. Offutt Fieldmen's Meeting. Brainerd, Minnesota, January 15, 1998. (Invited presentation)
- Growing transgenic potatoes. Columbia Basin Potato Workshops. Pasco, Washington, January 20, 1998, Moses Lake, Washington, January 21, 1998. (Invited presentation)

- Tillage and other practices for volunteer suppression. Washington Potato Conference. Moses Lake, Washington, February 4, 1998. (Invited presentation)
- Producing transgenic potatoes. Western Idaho CCA Workshop. Nampa, Idaho, February 17, 1998.
- Update on NatureMark products. Simplot Fieldmen's Meeting. Caldwell, Idaho, June 10, 1998.
- Potato production workshop. Idaho Fertilizer and Chemical Association Annual Meeting. Jackpot, Nevada, January 7, 1997.
- Onion fumigation trials. Idaho/ Eastern Oregon Onion Growers Annual Meeting. Caldwell, Idaho, February 4, 1997.
- Potato seed handling and performance. R.D. Offut Fieldmen's Meeting. Brainerd, Minnesota, February 6, 1997. (Invited presentation)
- Potato growth and development. R.D. Offut Fieldmen's Meeting. Brainerd, Minnesota, February 6, 1997. (Invited presentation)
- Leaf roll virus of potatoes. Western Farm Service Growers Meeting. Mountain Home, Idaho, February 27, 1997.
- Potato late blight control. Western Farm Service Growers Meeting. Mountain Home, Idaho, February 27, 1997.
- Soil borne diseases of onions. OSU Onion Production Course. Ontario, Oregon, March 27, 1997.
- Idaho Potato Conference. Pocatello, Idaho, January 22-24, 1997.
Workshops: "Correcting irrigation uniformity problems"
"Volunteer potato control"
- Update on NatureMark Products. NatureMark and Frito Lay Field Day. Exeter, Maine, August 8, 1997.
- NewLeaf agronomic performance. NatureMark Workshop. Traverse City, Michigan, December 6, 1997.
- Interactions of nutrient management with disease control in sweet Spanish onions. Poster presented at the Western Nutrient Management Conference. Salt Lake City, Utah, March 6, 1997.
- Late blight of potatoes. Idaho Fertilizer and Chemical Conference. Jackpot, Nevada, January 9, 1996.
- Soil fertility and plant nutrition workshop. Idaho Fertilizer and Chemical Conference. Jackpot, Nevada, January 9, 1996.
- Crop protection workshop. Idaho Fertilizer and Chemical Conference. Jackpot, Nevada, January 9, 1996.
- Insect control with Temik. Temik Recertification Meeting. Caldwell, Idaho, January 12, 1996.
- Onion production in the Treasure Valley. OSU Onion Workshop. Hermiston, Oregon, January 17, 1996. (Invited presentation)
- Fungicides for Botrytis control. Idaho/ Eastern Oregon Onion Growers Annual Meeting. February 6, 1996.
- Control of plate rot and pink root. Idaho/ Eastern Oregon Onion Growers Annual Meeting. February 6, 1996.
- Effect of nitrogen management on storage response. Washington Potato Conference. Moses Lake, Washington, February 8, 1996. (Invited presentation)

- Update on potato and onion diseases. Producers Supply Cooperative Annual Grower Meeting. Caldwell, Idaho, February 13, 1996.
- Impact of growing season nitrogen management on potatoes in storage. Western Washington Potato Workshop. Bellingham, Washington, February 23, 1996. (Invited presentation)
- Potato planter performance. Western Washington Potato Workshop. Bellingham, Washington, February 23, 1996. (Invited presentation)
- Late blight. Simplot Potato Growers Meeting. Ontario, Oregon, March 13, 1996.
- Late blight forecasting and prevention. ISK Biosciences Late Blight Seminar. Ontario, Oregon, Twin Falls, Pocatello and Idaho Falls, Idaho, March 18, 19, 20 and 21, 1996.
- Diseases of potatoes and onions. Rhone Poulenc Seminar. Caldwell, Idaho, June 21, 1996.
- Vapam fumigation for onion production. OSU Extension Farm Tour. Ontario, Oregon, July 10, 1996.
- Late blight situation update. Idaho Grower Shippers Association Annual Meeting. Sun Valley, Idaho, August 28, 1996.
- Potato planter survey. Hermiston Farm-City Fair. Hermiston, Oregon, December 5, 1996. (Invited presentation)
- Seed handling and cull management - Impacts on late blight. Potato Management Workshop. Ontario, Oregon. January 3, 1996.
- Idaho Potato Conference. Pocatello, Idaho, January 23-25, 1996.
Short Course: "Vine kill, harvest and storage management"
Workshop: "Bruise Management"
- Cover crops and crop rotations. UI Potato Center Meeting. Twin Falls, Idaho, April 12, 1996.
- Potato research trials. Parma R&E Center Field Day. Parma, Idaho, July 11, 1996.
- Onion research trials. Parma R&E Center Field Day. Parma, Idaho, July 11, 1996.
- Fungicide trial tour. Rhone Poulenc Ag Tour. Parma, Idaho, August 22, 1996.
- Onion and potato production in Idaho. Nakagawa Marketing Tour. Parma, Idaho, September 11, 1996.
- Interaction of Vapam with pink root and phosphorus uptake in onions. Idaho Association of Plant Pathology. Twin Falls, Idaho, November 25, 1996.
- Control of basal plate rot. Idaho/ Eastern Oregon Onion Growers Annual Meeting. Caldwell, Idaho, February 7, 1995.
- Seed handling. Potato Seed Management Meetings. Burley, Twin Falls, and Nampa, Idaho, February 8 and 9, 1995.
- Onion and potato research update. Simplot Grower Pesticide Meeting. Weiser, Idaho, February 15, 1995.
- Storage, curing and post harvest diseases of onions. Northern Utah Onion Conference. Ogden, Utah, February, 22, 1995. (Invited presentation)
- Fertilizer sources and soil borne diseases. Northern Utah Onion Conference. Ogden, Utah, February, 22, 1995. (Invited presentation)

- Onion storage management. Ore-Ida Storage Seminar. Ontario, Oregon, June 13, 1995.
- Onion and potato crop management. Hokkaido Kitami Study Group. Parma, Idaho, June 14, 1995.
- Late blight situation in southwest Idaho. Idaho Potato Commission Quarterly Meeting. Boise, Idaho, July 13, 1995.
- Late blight situation in southwest Idaho. Idaho Late Blight Task Force. . Boise, Idaho, July 13, 1995.
- Late blight update. Idaho Late Blight Task Force. Boise, Idaho, July 17, 1995.
- Late blight update. Idaho Late Blight Task Force. Boise, Idaho, August 9, 1995.
- Advances in onion management to increase quality. IEEOC Summer Merchandising Representative Seminar. Parma, Idaho, August 14, 1995.
- Update on the late blight situation. Idaho Potato Commission Summer Meeting. Sun Valley, Idaho, August 30, 1995.
- Idaho late blight update. Northwest Late Blight Task Force Meeting, Pasco, Washington, September 12, 1995.
- Potato late blight control. Idaho Seed Potato Growers Seminar. Idaho Falls, Idaho, November 2, 1995.
- Panel discussion on late blight. Idaho Seed Potato Growers Seminar. Idaho Falls, Idaho, November 2, 1995.
- Idaho Potato Conference, Pocatello, Idaho, January 24-26, 1995.
Seminars: "Consequences of heat and water stress"
Workshops:"Chipping potatoes"
"How to improve your planter performance"
Posters: "Petiole nitrate nitrogen sufficiency levels in newly developed potato cultivars"
- Specific gravity and its importance in potatoes. Idaho Pest Management Association. Wendell, Idaho, February 21, 1995.
- Onion production and storage management. Union Pacific Study Group. Twin Falls, Idaho, March 2, 1995.
- Late blight scouting program. Late blight workshops. Caldwell, Idaho and Ontario, Oregon, June 12 and 13, 1995.
- Cultural management of green manure crops. Green Manure Workshop. Rexburg, Jerome and Sandpoint, Idaho, July 12, September 7 and September 19, 1995.
- Management of late blight. Elmore County Fieldmen Meeting. Mountain Home, Idaho. July 18, 1995.
- Fungicides for late blight control. Potato Field Tour. Arena Valley, Idaho, August 8, 1995.
- Harvester adjustments to prevent bruising. Potato Harvester Field Day and Storage Workshop. Kimberly, Idaho, August 22, 1995.
- Identification of late blight tuber decay in storage. UI/PGI Late Blight Workshop. Burley and Jerome, Idaho, November, 10, 1995.
- What are humic acids? - An overview. Northwest Humic Acid Conference. Pasco, Washington, January 31, 1995.
- Potato late blight panel discussion. Idaho Association of Plant Pathology. Twin Falls, Idaho. November 20, 1995.

- Nitrogen sources for onions. Tremblay Consulting Agronomic Meeting, Ontario, Oregon, January 5, 1994.
- Are humic acid products of economic value to growers? Idaho Fertilizer and Chemical Conference, Jackpot, Nevada, January 11, 1994.
- Seed handling. Potato Seed Management Meetings, Rexburg, Blackfoot, American Falls, Burley, Twin Falls, Mountain Home, Idaho; and Ontario, Oregon; February 7-10, 1994.
- Non-chemical disease control. Northern Utah Onion Conference, Ogden, Utah, February 22, 1994. (Invited presentation)
- Hail damage and fertilizer sources. Northern Utah Onion Conference, Ogden, Utah, February 22, 1994. (Invited presentation)
- Physiological age of seed -- impact on stand and yield. Central Wisconsin Potato Growers Meeting, Stevens Point, Wisconsin, February 16, 1994. (Invited presentation)
- Seed bruising -- impact on stand and yield. Central Wisconsin Potato Growers Meeting, Stevens Point, Wisconsin, February 16, 1994. (Invited presentation)
- Physiological age and seed bruising -- impacts on potato stand and yield. Northeast Wisconsin Potato Growers Meeting, Antigo, Wisconsin, February 17, 1994. (Invited presentation)
- Disease management in potatoes. Rhone-Poulenc Potato Disease Update, Caldwell, Idaho, June 20, 1994.
- Management of storage diseases of potato. Industrial Ventilation Training Session, Nampa, Idaho, July 14, 1994.
- Harvester chain speed adjustment. Navajo Agricultural Products Industries Harvest Seminar, Farmington, New Mexico, August 11, 1994. (Invited presentation)
- Relationship of fertilizer sources to yield and neck rot incidence. Treasure Valley Onion Management Workshops. Ontario, Oregon, December 7, 1994.
- Onion and potato research update. Tremblay Consulting Agronomic Meeting. Ontario, Oregon, January 4, 1994.
- Idaho Potato Conference, Pocatello, Idaho, January 18-20, 1994.
Seminars: "Bruise Management from Farm to Market"
Workshops: "Hollow Heart and Other Physiological Disorders"
"Harvest Bruise Management"
- Botrytis control in the field. Idaho/ Eastern Oregon Onion Growers Annual Meeting, Caldwell, Idaho, February 1, 1994.
- Potato and onion research. Parma R & E Center Field Day, Parma, Idaho, July 7, 1994.
- Late season management for potato bruise reduction. Potato Harvester Demonstration Field Day, Nampa, Idaho, July 21, 1994.
- Modification of windrowers and harvesters. Potato Harvester Demonstration Field Day, Huston, Idaho, July 21, 1994.
- Harvesting bruise-free potatoes. Oregon Potato Conference, Ontario, Oregon, January 27, 1993. (Invited presentation)

- Agronomic studies with humic acids. Washington Potato Conference, Moses Lake, Washington, February 3, 1993. (Invited presentation)
- Seed handling. Potato Seed Management Meetings, Rexburg, Pocatello, Burley, Twin Falls, and Nampa, Idaho, February 16-18, 1993.
- Harvester operation. Potato Growers of Idaho Harvest Workshop, Burley, Idaho, September 2, 1993.
- Impact of seed handling on seed productivity. Idaho Crop Improvement Association Annual Seed Seminar, Idaho Falls, Idaho, November 4, 1993.
- Idaho Potato Conference, Pocatello, Idaho, January 19-21, 1993.
Seminars: "Welcome and Brief History of the Idaho Potato Conference"
"Seed Piece Treatment Panel Discussion"
"Raw Product Needs to Produce a Quality End Product"
Workshops: "Minimizing Potato Bruising"
- Harvest preparation and bruise prevention. Potato Production Science Course, Blackfoot, Idaho, March 17, 1993.
- Potato harvesting. Idaho Potato Tour for Russian Scientists, Twin Falls, Idaho, April 15, 1993.
- Hail damage assessment in onions. Treasure Valley Fieldmen's Meeting, June 23, 1993.
- Irrigation water management. Irrigation Efficiency Field Day, Mountain Home, Idaho, July 14, 1993.
- Potato and onion research. Parma R & E Center Field Day, Parma, Idaho, August 3, 1993.
- CIPC application to stressed potatoes. CIPC Research Meeting, Kimberly, Idaho, August 20, 1993.
- Chain speed adjustments of harvesters. Potato Harvester Demonstration Field Day, American Falls, Idaho, August 31, 1993.
- Early blight control. Idaho Association of Plant Pathology, Boise, Idaho, November 22, 1993.
- Neck rot. Treasure Valley Onion Management Meetings, Caldwell, Idaho, and Ontario, Oregon, December 11, 1993.
- Irrigation and fertility management for potatoes. Idaho Irrigation Show, Nampa, Idaho, January 8, 1992.
- Bruised potato seed - how well does it perform? Washington Potato Conference, February 5, 1992. (Invited presentation)
- Non-chemical methods of controlling Verticillium wilt and powdery scab. Simplot Fieldman's Seminar, McCall, Idaho, February 11, 1992.
- Effects of hail damage on onions. Northern Colorado Onion Association Annual Meeting, Greeley, Colorado, February 14, 1992. (Invited presentation)
- Onion management and the effects of weather on this year's weed control strategies. Magic Valley Onion Growers Seminar, Jerome, Idaho, February 28, 1992.
- Fusarium and neck rot control. Washington State Vegetable Association Convention, Pasco, Washington, December 10, 1992. (Invited presentation)
- Options for disposal of cull onions. Washington State Vegetable Association Conference, Pasco, Washington, December 10, 1992. (Invited presentation)

- Seed handling. Seed Handling Workshop, Caldwell, Idaho, and Ontario, Oregon, January 7, 1992.
- Idaho Potato Conference, Pocatello, Idaho, January 22-24, 1992.
Workshops: "Bruise Prevention"
"Irrigation Management"
"New Variety Management"
- Neckrot and plate rot control. Idaho/ Eastern Oregon Onion Growers Annual Meeting, Caldwell, Idaho, February 4, 1992.
- White rot control strategies. Onion White Rot Tour, Nampa, Idaho, June 2, 1992.
- Nitrogen and irrigation management research in onions. HUA National Project Review Team Tour, Parma, Idaho, June 17, 1992.
- Garlic, onion, and potato production. North Idaho Grower Training, Sandpoint, Idaho, June 29, 1992.
- Early blight, blackleg, and white mold control. Potato IPM Field Day, Caldwell, Idaho, July 13, 1992.
- Potato characteristics and harvesting considerations in dry soil. Sustainable Crop Production Field Day, Aberdeen, Idaho, July 15, 1992.
- Potato harvest considerations in dry soil. Treasure Valley Fieldman's Meeting, July 29, 1992.
- Review of re-registration process. Onion Pesticide Registration Workshop, Ontario, Oregon, November 30, 1992.
- High temperature - how it influences potato yield and quality. Washington Potato Conference, Moses Lake, Washington, February 6, 1991. (Invited presentation)
- Shepody and Frontier varieties. Simplot Growers Seminar, Caldwell, Idaho, February 18, 1991.
- Onion production in Idaho. Onion Workshop, Twin Falls, Idaho, February 26, 1991.
- Powdery scab. Magic Valley Potato Conference, Twin Falls and Gooding, Idaho, November 25 and 26, 1991.
- Treasure Valley Potato and Onion Conference, Nampa, Idaho, January 8-9, 1991.
Workshops: "Bruise reduction and dirt elimination"
"Onions and potato storage management"
Seminars: "Growth and development of onions"
"Groundwater issues in the Treasure Valley"
- Idaho Potato Conference, Pocatello, Idaho, January 22-24, 1991.
Workshops: "Bruise prevention"
Seminars: "Potato dormancy: Initiation and retarding"
- Weed control in onions with Enquik. Weed Control Tour, Ontario, Oregon, and Parma, Idaho, May 22, 1991.
- Phosphorus petiole analysis. Treasure Valley Fieldman's Meeting, Ontario, Oregon, June 26, 1991.
- Variety response to disease. Potato Disease Tour, Caldwell, Idaho, June 27, 1991.
- Potato and onion research. Parma R & E Center Field Day, Parma, Idaho, July 15, 1991.
- Onion Hail School, Ontario, Oregon, July 23-24, 1991.
Seminars: "Weed control"
"Variety selection"
"Harvest and storage"

- Estimating hail damage loss in onions. Northwest National Crop Insurance Service State Committee Meeting, Spokane, Washington, January 31, 1991. (Invited presentation)
- Relationship between pungency, soluble solids and susceptibility to neck rot in onions. American Society of Horticultural Science Western Region Meeting, Logan, Utah, June 24, 1991.
- Dark ends update. Simplot Summer Fieldmens Meeting, Idaho Falls, Idaho, June 26, 1990.
- Potato management and marketing considerations and trends. Southwest Idaho-Eastern Oregon Ag Lenders Seminar, Caldwell, Idaho, December 6, 1990.
- Onion growth, harvest, curing, and storage. Cenex fieldmen training seminar, Ontario, Oregon, December 13, 1990.
- Increase your profits by reducing bruise. Idaho Potato Conference, Pocatello, Idaho, January 25, 1990.
- Getting a good stand of potatoes. Fieldmen's Luncheon, Ontario, Oregon, April 11, 1990.
- Plate rot resistant onion varieties. Malheur Experiment Station Field Day, Ontario, Oregon, July 11, 1990.
- Onion and potato research. Southwest Idaho Research and Extension Center Annual Field Day, Parma, Idaho, August 1, 1990.
- Processing variety field day. Southwest Idaho Research and Extension Center Potato Field Day Parma, Idaho, September 17, 1990.
- Effect of heat stress on Russet Burbank growth and development. Idaho Potato Conference, Pocatello, Idaho, January 25, 1989.
- Physiological disorders of potatoes. Idaho Potato Conference, Pocatello, Idaho, January 27, 1988.
- Potato bruise, difference between profit and loss. Colorado Farm Show, Greeley, Colorado, January 29, 1987.
- Potato tuber damage in packing sheds. Washington Potato Conference, Moses Lake, Washington, February 3, 1987. (Invited presentation)
- Phosphorus fertility in the San Luis Valley. San Luis Valley Potato and Grain Conference, Alamosa, Colorado, February 10, 1987.
- Seed quality, handling and performance. Colorado Farm Show, Greeley, Colorado, January 23, 1986.
- Areas of bruising in fresh pack potatoes. Idaho Potato Conference, Pocatello, Idaho, January 28, 1986. (Invited presentation)
- Bruise in fresh pack potatoes. San Luis Valley Potato and Grain Conference, Alamosa, Colorado, February 12, 1986.
- Potato fertility. San Luis Valley Potato and Grain Conference, Alamosa, Colorado, February 13, 1986.
- Effect of N on tuberization. San Luis Valley Potato and Grain Conference, Alamosa, Colorado, February 13, 1985.
- Know your seed. San Luis Valley Potato and Grain Conference, Alamosa, Colorado, February 8, 1984.

Grants and Contracts Awarded:

2018 (Total/spending authority - \$3,338,753 total (\$181,693 spending authority)

Breeding and selecting russet and specialty varieties/Verticillium control/Quality evaluation. M. Thornton, J. Stark, N. Olsen, J. Miller, D. Johnson, K. Frost, J. Woodhall, and P. Wharton. \$177,218 (\$43,178 spending authority) – single year. Idaho Potato Commission.

Eradication strategies for *Globodera pallida*, the pale cyst nematode (PCN). L.M. Dandurand, I. Zasada, C. Brown, R. Navarre, P. Hutchinson, G. Knudsen, J. Kuhl, M. Morra and M. Thornton. \$489,728 (\$2,000 in spending authority) – single year, USDA APHIS Farm Bill.

Risk assessment and eradication of *Globodera* spp in U.S. potato production. Dandurand et al. \$3,072,701 total for 5 yrs/\$614,540 yr 4 (\$2,411 spending authority in yr 4) – multiyear. USDA-NIFA Specialty Crop Research Initiative.

Enhancing soil health in U.S. potato production systems. Rosen et al. \$8,033,029 total for 5 yrs/\$1,871,286 yr 1 (\$20,106 spending authority in yr 1) – multiyear. USDA-NIFA Specialty Crop Research Initiative.

Management of pink root in onions/Determining the impact of temperature on *F. proliferatum* onion bulb rot in storage/Impact of herbicides and growth regulators on incidence of single centers in onions. M. Thornton, B. Schroeder, J. Woodhall. \$31,202(\$24,698 spending authority) - single year. Idaho Eastern Oregon Onion Committee

Deploying predictive diagnostic methods and soil health measures to enable sustainable management of soil-borne diseases of onions. J. Woodhall, B. Schroeder and M. Thornton. \$129,768 total for 2 yrs/\$65,479 yr 2 – multiyear. ISDA SCBG Program

Potato and onion program support (field evaluation grants). M. Thornton and R. Portenier. \$89,300 spending authority – single year. Simplot, Gowan, HZPC, Bayer, Dupont and McCain.

2017 (Total/spending authority - \$1,679,614 total (\$183,621 spending authority)

Breeding and selecting russet and specialty varieties/Potato microstructural features/Verticillium control/Quality evaluation. M. Thornton, J. Stark, N. Olsen, J. Miller, A. Lin, D. Johnson, K. Frost, and P. Wharton. \$223,701 (\$44,701 spending authority) – single year. Idaho Potato Commission.

Eradication strategies for *Globodera pallida*, the pale cyst nematode (PCN). L.M. Dandurand, I. Zasada, C. Brown, R. Navarre, P. Hutchinson, G. Knudsen, J. Kuhl, M. Morra and M. Thornton. \$489,728 (\$2,519 in spending authority) – single year, USDA APHIS Farm Bill.

Management of pink root in onions/Determining the impact of temperature on *F. proliferatum* onion bulb rot in storage/Evaluation of resistance to *F. proliferatum*. M. Thornton, B. Schroeder, J. Woodhall. \$59,835(\$19,990 spending authority) - single year. Idaho Eastern Oregon Onion Committee.

Risk assessment and eradication of *Globodera* spp in U.S. potato production. Dandurand et al. \$3,072,701 total for 5 yrs/\$614,540 yr 3 (\$2,411 spending authority in yr 3) – multiyear. USDA Specialty Crop Research Initiative.

Filling the knowledge gaps in order to develop robust disease management strategies for *F. proliferatum* in onions. B. Schroeder, M. Thornton and J. Woodhall. \$124,663 total for 2 yrs/\$62,331 yr 2 – multiyear. ISDA SCBG Program.

Deploying predictive diagnostic methods and soil health measures to enable sustainable management of soil-borne diseases of onions. J. Woodhall, B. Schroeder and M. Thornton. \$129,768 total for 2 yrs/\$65,479 yr 1 – multiyear. ISDA SCBG Program.

High throughput sensing for potato production and breeding. J. Endleman, P. Bethke, S. Jansky, M. Pavek, S. Sankaran, M. Thornton and P. Townsend. \$50,000 – single year. USDA Specialty Crop Research Initiative Planning Grant.

Simplot Research Agreement at Parma. M. Thornton. \$90,000 total for 3 years/ \$30,000 yr 3 spending authority.

Potato and onion program support (field evaluation grants). M. Thornton and R. Portenier. \$84,000 spending authority – single year. Simplot, Gowan, HZPC, Bayer, Dupont and McCain.

2016 (Total/spending authority - \$1,431,054/\$150,293)

- Breeding and selecting russet and specialty varieties/Consumer-oriented potatoes/Verticillium control/Characterize starch. M. Thornton, J. Stark, N. Olsen, A. Lin, D. Johnson, K. Frost, R. Navarre and P. Wharton. \$218,818 (\$25,050 spending authority) – single year. Idaho Potato Commission.
- Eradication strategies for *Globodera pallida*, the pale cyst nematode (PCN). L.M. Dandurand, I. Zasada, C. Brown, R. Navarre, P. Hutchinson, G. Knudsen, J. Kuhl, M. Morra and M. Thornton. \$288,853 (\$2,521 in spending authority) – single year, USDA APHIS Farm Bill.
- Determining the impact of temperature and other curing parameters on *F. proliferatum* onion bulb rot in storage. B. Schroeder and M. Thornton. \$25,911(\$1,674 spending authority) - single year. Idaho Eastern Oregon Onion Committee.
- Evaluation of potato soil health through microbial community and spatial analysis tools. Wanner et al. \$125,700 total for 2 yr/ \$62,850 yr 2 – multiyear, USDA Potato Research Program.
- Identifying how potato skin wastes produced in Idaho modulate the postprandial glycemic index. A. Lin, M. Thornton, S. McGeehan and Q. Xu. \$83,030 total for 2 yr/ \$41,515 yr 2 (\$4,058 spending authority) – multiyear, ISDA SCBG Program.
- Risk assessment and eradication of *Globodera* spp in U.S. potato production. Dandurand et al. \$3,072,701 total for 5 yrs/\$614,540 yr 2 (\$2,411 spending authority in yr 1) – multiyear. USDA Specialty Crop Research Initiative.
- Filling the knowledge gaps in order to develop robust disease management strategies for *F. proliferatum* in onions. B. Schroeder, M. Thornton and J. Woodhall. \$124,663 total for 2 yrs/\$62,332 yr 1 – multiyear. ISDA SCBG Program.
- Simplot Research Agreement at Parma. M. Thornton. \$90,000 total for 3 years/ \$30,000 yr 2 spending authority.
- Potato and onion program support (field evaluation grants). M. Thornton and R. Portenier. \$87,100 spending authority – single year. Simplot, Gowan, HZPC, Bayer, Dupont and McCain.

2015 (Total/spending authority - \$3,079,667/\$199,840)

- Breeding and selecting russet and specialty varieties/Monitoring potato psyllids/Consumer-oriented potatoes. M. Thornton, J. Stark, N. Olsen, E. Wenninger, P. Nolte, A. Karasev, R. Navarre and P. Wharton. \$72,923 (\$33,753 spending authority) – single year. Idaho Potato Commission.
- Improved breeding and variety evaluation methods to reduce acrylamide content and increase quality in processed potato products. Bethke et al. \$7,400,000 total for 4 yrs/\$1,800,000 yr 4 (\$91,410 spending authority in yr 4) – multiyear. USDA Specialty Crop Research Initiative.
- Developing a roadmap towards sustainable management of soilborne potato diseases. B. Schroeder, P. Wharton and M. Thornton. \$28,400 – single year, Western IPM Planning Grant.
- Eradication strategies for *Globodera pallida*, the pale cyst nematode (PCN). L.M. Dandurand, I. Zasada, C. Brown, R. Navarre, P. Hutchinson, G. Knudsen, J. Kuhl, M. Morra and M. Thornton. \$288,853 (\$2,411 in spending authority) – single year, USDA APHIS Farm Bill.
- Reducing the incidence of bacterial decay in stored onion bulbs. M. Thornton and B. Schroeder. \$29,960 spending authority- single year. Idaho Eastern Oregon Onion Committee
- Evaluation of potato soil health through microbial community and spatial analysis tools. Wanner et al. \$125,700 – multiyear, USDA Potato Research Program.
- Identifying how potato skin wastes produced in Idaho modulate the postprandial glycemic index. A. Lin, M. Thornton, S. McGeehan and Q. Xu. \$83,454 (\$4,058 spending authority) – multiyear, ISDA SCBG Program.
- Risk assessment and eradication of *Globodera* spp in U.S. potato production. Dandurand et al. \$3,072,701 total for 5 yrs/\$614,540 yr 1 (\$2,411 spending authority in yr 1) – multiyear. USDA Specialty Crop Research Initiative.
- Potato and onion program support (field evaluation grants). M. Thornton and R. Portenier. \$35,837 spending authority – single year. Simplot, Gowan, HZPC, Bayer, Dupont and McCain.

2014 (Total/spending authority - \$2,351,808/\$184,119)

- Development of markets for specialty potatoes/Monitoring potato psyllids/Consumer oriented potatoes. Idaho Potato Commission. (part of \$117,488 grant with Stark, Olsen, Wenninger, Nolte, Karasev, Navarre and Wharton). \$24,793.
- Improved breeding and variety evaluation methods to reduce acrylamide content and increase quality in processed potato products. USDA Specialty Crop Research Initiative. (part of \$1,800,000 grant with Bethke et al.) \$91,410.

- Monitoring potato psyllid biotypes as well as off-season and overwintering distribution in Idaho. ISDA Specialty Crop Block Grant. (part of \$69,851 grant with Karasev, Olsen, and Wenninger). \$8,273.
- Eradication strategies for *Globodera pallida*, the pale cyst nematode (PCN). USDA Farm Bill. (part of \$307,237 grant with Dandurand, Zasada, Brown, Navarre, Hutchinson, Knudsen, Kuhl, and Morra). \$2,411.
- Reducing the incidence of bacterial decay in stored onion bulbs. Idaho Eastern Oregon Onion Committee. \$19,532.
- Potato and onion program support (field evaluation grants). Simplot, Gowan, HZPC, Bayer, Dupont and McCain. \$37,700.

2013 (Total/spending authority - \$2,032,072/\$191,027)

- Development of markets for specialty potatoes/Monitoring potato psyllids. Idaho Potato Commission (part of \$113,488 grant with Stark, Olsen, Wenninger, Nolte, Karasev and Wharton). \$26,528.
- Improved breeding and variety evaluation methods to reduce acrylamide content and increase quality in processed potato products. USDA Specialty Crop Research Initiative (part of \$1,800,000 grant with Bethke et al.) \$91,410.
- PCN trap crop field management strategies. IAES potato research grants (part of \$50,000 grant with Hutchinson and Dandurand). \$4,505.
- Thrips control in drip irrigated onions. Idaho Eastern Oregon Onion Committee. \$11,284.
- Evaluation of thrips control in drip irrigated onions. University of Idaho Extension Topic Team Grant (Neufeld, Hirynck, Thornton, Barbour and Klauzer). \$3,000.
- Simplot, Gowan, HZPC, Bayer, Dupont and McCain. \$54,300.

2012 (Total/spending authority - \$2,205,819/\$156,251)

- Development of markets for specialty potatoes/Appearance of specialty potatoes/Monitoring potato psyllids. Idaho Potato Commission (part of \$63,555 grant with Stark, Olsen, Wenninger, Nolte and Wharton). \$20,178.
- Evaluation of new soil fumigants/Thrips control in drip irrigated onions. Idaho-Eastern Oregon Onion Committee. \$17,374.
- Development of sustainable new varieties from the Pacific Northwest Potato Variety Development Program. USDA-Specialty crop block grant through ISDA. (\$255,940 grant with Stark, Patterson and Wharton).
- Improved breeding and variety evaluation methods to reduce acrylamide content and increase quality in processed potato products. USDA Specialty Crop Research Initiative (part of \$1,800,000 grant with Bethke et al.) \$49,749.
- Evaluation of thrips control in drip irrigated onions. University of Idaho Extension Topic Team Grant. (Neufeld, Hirnyck, Thornton, Barbour and Klauzer). \$3,000.
- Simplot, Gowan, HZPC, Bayer, Dupont, Trident and McCain. \$65,950.

2011 (Total/spending authority - \$321,158/\$166,741)

- Development of markets for specialty potatoes/Appearance of specialty potatoes. Idaho Potato Commission (part of \$28,260 grant with Stark, Olsen, Lee and Wharton). \$19,059.
- Economic analysis of increasing the minimum size for fresh potatoes. Idaho Potato Commission (\$18,611 grant with Guenther, Johnson, McIntosh and Watson)
- Evaluation of new soil fumigants/Thrips control in drip irrigated onions. Idaho-Eastern Oregon Onion Committee (\$19,674 grant).
- Sustainable production of new varieties from the Pacific Northwest Potato Variety Development Program. USDA-Specialty crop block grant through ISDA. (part of \$167,080 grant with Stark, Patterson and Wharton). \$15,000.
- Technical assistance to the eradication of PCN in Idaho. (part of \$90,000 grant with Navarre, Hutchinson, Dandurand, Johnson). \$13,333.
- Simplot, Gowan, HZPC, Syngenta, Ag Solutions, Bayer, Dupont, BASF and McCain. \$78,073.

2010 (Total/spending authority - \$285,520/\$120,855)

- Development of Markets for Specialty Potatoes/Appearance of Specialty Potatoes. Idaho Potato Commission (part of \$28,459 grant with Stark, Olsen, Lee and Wharton). \$15,874.

Determining optimum stem number for Idaho potato markets. Idaho Potato Commission (\$18,311 grant with McIntosh, Patterson, Nolte, Olsen and Bohl)

Utilizing pathogen detection test kits for rapid in-field diagnosis (\$21,150 grant with Olsen, Karasev, Nolte, and Miller).

Expanding the onion market window by growing commercial bulbs from sets. Idaho-Eastern Oregon Onion Committee (\$5,520 grant).

Sustainable production of new varieties from the Pacific Northwest Potato Variety Development Program. USDA-Specialty crop block grant through ISDA. (part of \$167,080 grant with Stark, Patterson and Wharton). \$15,000.

Simplot, Gowan, Syngenta, Ag Solutions, Dupont, BASF and McCain. \$45,000.

2009 (Total/spending authority - \$625,099/\$106,613)

Development of Markets for Specialty Potatoes/Appearance of Specialty Potatoes. Idaho Potato Commission. (part of \$25,808 grant with Stark, Olsen, Lee and Wharton). \$15,468.

Effect of Perform Leaf of potato growth and yield. KAO Corporation. (part of \$23,845 grant with Nolte) \$14,985.

Developing High Phytonutrient Potatoes with Consumer Appeal. USDA – Potato Research Program. (part of \$56,600 grant with Navarre, Knowles and Boydston). \$15,560.

Development of Control Methods for Potato Cyst Nematode. USDA – Potato Research Program. (part of \$84,000 grant with Navarre and Riga). \$10,000.

Screening additional plants for use as PCN trap crops. USDA-APHIS. (part of \$37,000 grant with Navarre and Zemetra).

Potato Cyst Nematode, Idaho. USDA – CSREES. (part of \$347,246 grant with Zemetra).

Simplot, Gowan, Syngenta, Ag Solutions, Agro K and McCain. \$50,600.

2008 (Total/spending authority - \$517,838/\$85,095)

Development of Markets for Specialty Potatoes/Predicting Seed Productivity. Idaho Potato Commission. (part of \$30,340 grant with Stark, Olsen and Nolte). \$13,910.

Strategies to Improve Early Season Thrips Control/ Economic Analysis of Thrips Control in Onions. Idaho/Eastern Oregon Onion Committee. (part of \$13,925 grant with McIntosh, Barbour and Mohan. \$7,300.

Effect of Perform Leaf of potato growth and yield. KAO Corporation. (part of \$23,300 grant with Nolte and Olsen) \$13,500.

Technical Assistance to the Eradication of Potato Cyst Nematode in the State of Idaho. USDA – APHIS. (part of \$244,240 grant with Navarre, Zemetra, Boydston, Wang, Johnson, and Riga).

Development of Control Methods for Potato Cyst Nematode. USDA – Potato Research Program. (part of \$53,280 grant with Navarre, Riga, and Johnson). \$1,920.

Simplot, Gowan, BASF, Ag Solutions, Agro K and McCain. \$44,300.

Assessment of Economic, Agronomic and Environmental Sustainability of Long vs Short Rotations. USDA - SARE. (part of \$59,800 grant with Hopkins, Patterson, Shaffi, Hutchison, Alvarez, Hafez, Olsen, Horneck, Pavek and Ingham). \$1,665.

Living on the Land – Stewardship Education Program. USDA - SARE. (part of \$48,653 grant with Laughlin, Etter, Jensen, Love, and Williams). \$2,500

2007 (Total/spending authority - \$247,241/\$83,429)

Interaction of Insecticides and Herbicides/ Predicting Seed Productivity/Rotations/Nutrition. Idaho Potato Commission (part of \$78,563 grant with Miller, Hutchinson, Alvarez, Olsen, Nolte, Barbour, Hafez, Hopkins and Patterson). \$18,550.

Strategies to Improve Early Season Thrips Control. Idaho/Eastern Oregon Onion Committee. (with Barbour and Mohan). \$8,628.

Effect of Perform Leaf of Potato Growth and Yield. KAO Corporation. (with Nolte). \$13,150.

Simplot, Gowan, BASF, Bayer, Dupont, Syngenta and McCain. \$39,100.

Assessment of Economic, Agronomic and Environmental Sustainability of Long vs Short Rotations. USDA - SARE. (part of \$59,800 grant with Hopkins, Patterson, Shaffii, Hutchison, Alvarez, Hafez, Olsen, Horneck, Pavek and Ingham). \$1,500.

Living on the Land – Stewardship Education Program. USDA - SARE. (part of \$48,000 grant with Laughlin, Etter, Jensen, Love, and Williams). \$2,500

2006 (Total/spending authority - \$320,353/\$115,784)

- Interaction of Insecticides and Herbicides/ Predicting Seed Productivity/Potato Tuberworm/Rotations/Nutrition. Idaho Potato Commission (part of \$94,073 grant with Miller, Hutchinson, Alvarez, Olsen, Nolte, Barbour, Hafez, Hopkins and Patterson). \$22,047
- Evaluation of Factors Leading to Neck Rot in Dry Bulb Onions/Yellow Nutsedge. Idaho/Eastern Oregon Onion Committee. \$8,070.
- Simplot, Gowan, TKI, Engelhard, Syngenta, Dupont, BASF and Bayer. \$44,200.
- Interaction of Insecticides and Herbicides and Effect on Potato Crop Safety. USDA Cooperative Potato Research Program. (part of \$66,210 grant with Miller, Hutchinson and Alvarez). \$37,467
- Assessment of Economic, Agronomic and Environmental Sustainability of Long vs Short Rotations. USDA - SARE. (part of \$59,800 grant with Hopkins, Patterson, Shaffii, Hutchison, Alvarez, Hafez, Olsen, Horneck, Pavek and Ingham). \$1,500.
- Living on the Land – Stewardship Education Program. USDA - SARE. (part of \$48,000 grant with Laughlin, Etter, Jensen, Love, and Williams). \$2,500

2005 (Total/spending authority - \$202,769/\$69,192)

- Interaction of Insecticides and Herbicides and Effect on Potato Crop Safety. USDA Cooperative Potato Research Program. (part of \$58,026 grant with Hutchison, Miller and Alvarez). \$36,414.
- Management of Onion Storage Rot. USDA Risk Management Program. \$32,780.
- Interaction of Insecticides and Herbicides/Seed Productivity/Tuber Moth/ Rotations/Nutrition. Idaho Potato Commission. (part of \$79,725 grant with Hafez, Miller, Hutchinson, Olsen, Nolte, Alvarez, Hopkins and Patterson). \$11,763.
- Evaluation of Factors Leading to Neck Rot in Dry Bulb Onions. Idaho Eastern Oregon Onion Committee. \$8,140.
- Simplot, Gowan, Engelhard, Syngenta, Dupont and JC Watson. \$24,100.

2004 (Total/spending authority - \$43,563/\$39,563)

- Phosphorus and Potassium Fertility/ Efficacy of Seed Piece Fungicides, Idaho Potato Commission (part of \$22,600 grant with Hopkins and Miller). \$14,600.
- Simplot, Dow, Englehard, TKI and Elysian Fields. \$18,250.
- Efficacy and cost effectiveness of seed piece and in-furrow fungicide applications for Rhizoctonia control. Idaho Pest Management Commission. \$3,275.
- Tuber bulking rates in growers fields. Idaho Center for Potato Research and Education. \$3,438

1996 (Total/spending authority - \$249,459/\$41,100)

- Extension Potato Specialist/Seed Biocontrol/Late Blight Scouting, Idaho Potato Commission (part of \$217,000 grant with Mohan, Knudsen, Kleinkopf, Crawford, Nolte, Ojala, and Shetty), \$17,100.
- Control of Onion Diseases, Idaho-Eastern Oregon Onion Commission (part of \$14,450 grant with Mohan), \$6,000.
- Zeneca, American Cyanamid, ISK, Rhom & Haas, \$18,000.

1995 (Total/spending authority - \$125,159/\$60,650)

- Extension Potato Specialist/Seed Biocontrol/IPM Scouting, Idaho Potato Commission (part of \$75,000 grant with Corsini, Tindall, Neibling, Crawford, Nolte, Ojala, and Shetty), \$19,200.
- Control of Onion Diseases, Idaho-Eastern Oregon Onion Commission (part of \$12,400 grant with Mohan), \$7,200.
- Solids in Transgenic Potatoes, NatureMark, \$6,700.
- USDA IPM Mini-grant (with Hafez, Barton and Harding), \$1,750.
- PNW Sustainable Ag Research and Education Program (with Hafez, Barton, Harding, Seyedbagheri and Finnegan), \$2,500.
- Zeneca, Hydro-Agri, Rhone Puolenc, Uniroyal, FMC, \$19,800.
- Handling Videotape, National Anti-Bruise Com. (part of \$7,000 grant with Bohl), \$3,500.

1994 (Total/spending authority - \$211,770/\$50,400)

- Extension Potato Specialist/Seed Biocontrol, Idaho Potato Commission (part of \$59,000 grant with Corsini, Crawford, Nolte, Ojala, and Shetty), \$12,500.
- Control of Onion Diseases, Idaho-Eastern Oregon Onion Commission (part of \$10,970 grant with Mohan), \$6,400.

Solids in Transgenic Potatoes, HybriTech, \$13,300.
 Sustainable Agriculture, University of California (part of \$110,000 grant with Stark, et al.), \$3,000.
 Zeneca, Hydro-Agri, Snake River, Shield-Brite, \$12,300.
 Seed Handling, National Anti-Bruise Committee (part of \$6,200 grant with Nolte), \$3,000.

1993 (Total/spending authority - \$176,470/\$53,030)

Extension Potato Specialist/Blackspot/N Management, Idaho Potato Commission (part of \$84,370 grant with Corsini, Nolte, Ojala, Shetty, and Tindall), \$9,730.
 Control of Onion Diseases, Idaho-Eastern Oregon Onion Committee (with Mohan), \$9,000.
 Solids in Transgenic Potatoes, HybriTech, \$29,500.
 Sustainable Agriculture, University of California (part of \$50,000 grant with Stark, et al.), \$3,000.
 Seed Handling, National Anti-Bruise Committee (part of \$3,600 grant with Nolte), \$1,800.

1992 (Total/spending authority - \$143,400/\$52,934)

Extension Potato Specialist/N Management, Idaho Potato Commission (part of \$52,300 grant with Nolte, Ojala, and Tindall), \$8,834.
 Control of Onion Diseases, Idaho-Eastern Oregon Committee (with Mohan), \$8,100.
 PLRV, Solids in Transgenic Potatoes, Monsanto (part of \$45,500 grant with Mowry and Love), \$27,500.
 FMC, OSU, ICI, Buckman, \$5,500.
 Sustainable Agriculture, University of California (part of \$50,000 grant with Stark, et al.), \$3,000.

1991 (Total/spending authority - \$106,430/\$51,675)

Extension Potato Specialist/N Management, Idaho Potato Commission (part of \$50,300 grant with Nolte, Ojala, and Tindall), \$8,775.
 Neck Rot/Plate Rot Resistance, Idaho-Eastern Oregon Onion Committee (with Mohan, Fellman, Stanger, and Shock), \$12,500.
 Potato Handling Videotape/Publication, National Anti-Bruise Committee, \$4,000.
 National Crop Insurance, Unocal, FMC, OSU, Simplot, \$14,100.
 PLRV, Solids in Transgenic Russet Burbank, Monsanto (part of \$25,530 grant with Mowry and Love), \$12,300.

1990 (Total/spending authority - \$53,250/\$28,000)

Extension Potato Specialists, Idaho Potato Commission (part of \$38,750 grant with Kleinschmidt and Ojala), \$13,500.
 Neck Rot Susceptibility, Idaho-Eastern Oregon Onion Committee (with Brown, Mansour, and Richardson), \$9,000.
 Plate Rot Resistance, Idaho-Eastern Oregon Onion Committee (with Shock and Saunders), \$5,500.

SERVICE:

Major Committee Assignments:

National:

SCRI Acrylamide Advisory Committee, 2012 - 2016
 Potato Cyst Nematode Working Group, 2006-present
 World Potato Congress
 Steering Committee, 2005-2006
 Program Committee, 2005-2006
 Local Arrangements Committee, 2005-2006
 Farm Show Committee, 2005-2006
 National Potato Anti-Bruise Committee
 Secretary, 1990-1996
 Vice-Chair, 1996-1998

State:

ISDA PCN Advisory Committee, 2015 – present
 Agronomy and Soil Fertility Advisory Committee, 2014 - present
 Idaho Crop Improvement District Manager Search Committee, 2013.
 Tri-State Potato Variety Development Committee, 2003-present
 Kimberly Potato Research Storage Advisory Committee, 2003-present

Pacific Northwest Vegetable Association Board of Directors, 2007-present
 Food Producers of Idaho, Minor Crop Committee, 2007-present
 Idaho-Eastern Oregon Onion Marketing Order Committee
 Public Member, 1990-1996, 2003-present
 Idaho Onion Growers Association
 Advisor, 1990-1996, 2003-present
 Idaho Potato School Planning and Arrangements Committee, 1990-1997, 2003-present
 Co-Chair, 2012-2013
 Co-Chair, 1992-1993
 Chair, 1996-1997
 Leadership Idaho Agriculture Foundation – Board of Trustees, 2002-2009
 Advisory Committee, Secretary/V. Chair, 2004-2005
 Idaho Ag in the Classroom Foundation – Board of Trustees, 2001-present
 Vice Chair, 2009-2012
 Idaho Ring Rot Task Force, 1993-1996, 2013-present
 Idaho Anti-Bruise Committee, 1993-1996
 Snake-Payette Rivers HUA Steering and Technical Committees, 1993-1996

University:

Biotechnology Campaign Cabinet, 1997-2000
 District II Alumni Association Committee, 1998–2000

College:

PSES Departmental Leadership Committee

College Committees –

Research/Extension Entomologist Search Committee (EPPN Department), 2018
 Extension Crop Specialist Search Committee (AERS Department), 2017
 GMO Forum Planning Committee. 2017
 Assistant Dean for Governmental Relations Search Committee, 2016
 CALS Leadership Committee, 2003–present
 Potato Program of Distinction, 2015 – present
 CALS Ag Days Discussion Panel Committee, 2015
 IAES Director Search Committee, 2015
 CALS Safety Committee, 2005–2013
 CALS Dean Search Committee, 2004
 IAES Director Search Committee, 2004
 CALS Administrative Services Search Committee, 2004
 State Potato Working Group/Topic Team, 1990-1996, 2003-present
 UI-CES Planning Committee for Major Program Thrust on Potatoes
 Team Leader, 1993-1996
 Coordinator, Extension Potato Programs, 1993-1997

Department:

Aberdeen Potato Variety Development Search Committee, Chair, 2018
 Department Evaluation, Tenure and Promotion Guidelines Committee, 2017
 Potato Storage Facility Manager Search Committee, 2017
 Parma Cropping Systems Agronomist Search Committee, 2014.
 Parma Crop Management Specialist/Superintendent Search Committee, 2012-2013.
 Sanjay Gupta Mentoring Committee (Chair), 2009
 Alex Karasev Third Year Review Committee, 2008
 Potato Storage Physiologist Search Committee (Chair), 2008
 Tony McCammon Third Year Review Committee, 2008
 Jeff Miller Promotion and Tenure Committee (Chair), 2006
 Payette County Extension Educator Search Committee, 2005-2006
 Plant Pathology Diagnostician Search Committee, 2005
 Nora Olsen Mentoring Committee (Chair), 2004
 PREC Wine Chemist Search Committee, 2004

Gail Kleinkopf 5 Year Review Committee, 1995
 Phil Nolte, Third Year Review Committee, 1994
 Kiran Shetty, Third Year Review Committee, 1994
 Essie Fallahi Tenure Review Committee, 1992
 Krishna Mohan Tenure Review Committee, 1991
 Extension Potato Specialist Search Committee, 1990-1991

Parma Research and Extension Center:

Field Allocation Committee (Chair), 2003 – 2012
 Safety Committee (Chair), 2006 – 2012
 Finance Technician Search Committee (Chair), 2007
 Maintenance Craftsman Search Committee, 2006
 Farm Assistant Search Committee (Chair), 2003-2004
 Finance Technician Search Committee (Chair), 2003

Professional and Scholarly Organizations:

Potato Association of America, 1984 – present
 Past-President, 2017-2018
 Chair, Nominations Committee
 Chair, Honorary Life Membership Committee
 Member, Constitution and Bylaws Committee
 President, 2016 – 2017
 President-Elect, 2015-2016
 Vice President, 2014-2015
 Director, Executive Committee, 2012 – 2014
 Chair, Site Selection Committee, 2012 – 2014
 Finance and Endowment Committee, 2015 - present
 Senior Editor, 2003-2008
 Editorial Board, 1989-2008
 Symposium Committee, Physiology Section, 2007
 Director, Production and Management Section, 2004-2005
 Chair, Physiology Section, 1988-89
 Chair, Production and Management Section, 1990-91
 Membership Committee
 Member, 1991-1996
 Chair, 2014-2015
 Local Arrangements Committee for 2018 meeting in Boise
 Local Arrangements Committee for 2007 meeting in Idaho Falls
 Local Arrangements Committee for 1996 meeting in Idaho Falls
 Idaho Association of Plant Protection, 1993 - present
 Co-Chair, 2011-2012
 Co-Chair, 1993-1994
 European Association for Potato Research, 1990 – present
 Member of Editorial Board, 2014 – present
 Country representative for the U.S., 2016 - present
 American Society for Horticultural Science, 1990 - 1997
 Journal of Potato Production and Post Harvest Handling
 Editorial Board, 1993-1995

Outreach Service:

Presentations:

Role of research and extension centers in Idaho agriculture. Idaho Ag in the Classroom Workshop.
 Parma, ID, July 13, 2006.

The impact of biotechnology on agriculture. Idaho Ag in the Classroom Workshop, Caldwell, Idaho,
 July 18, 2001.

GMO's and biotechnology. Leadership Idaho Agriculture Training Session. Moscow, Idaho, November 9, 2001.

GMO's and biotechnology. Leadership Idaho Agriculture Training Session. Moscow, Idaho, April 11, 2000.

The impact of biotechnology on agriculture. Idaho Ag in the Classroom Workshop, Caldwell, Idaho, July 12, 2000.

The impact of biotechnology on agriculture. Idaho Ag in the Classroom Workshop. Caldwell, Idaho, July 14, 1998.

The impact of biotechnology on agriculture. Idaho Ag in the Classroom Workshop. Caldwell, Idaho, July 14, 1998.

Issues and challenges of the Idaho potato and onion industries. Kiwanis Club Meeting, Nampa, Idaho, May 7, 1992.

PROFESSIONAL DEVELOPMENT:

Scholarship:

Potato Association of America, every year since 1985.
 Idaho Association of Plant Protection, every year from 1993.
 National Allium Research Conference, 1989, 1991, 2004, 2006, 2008, 2010, 2016.
 WERA-89, Potato Virus Disease Control Committee, 2004, 2006, 2008, 2010.
 American Society of Horticultural Science, 1991, 1994.
 European Association of Potato Research, 1991, 2010, 2011, 2013, 2014, 2017.

Outreach:

Idaho Potato Conference, 1986 - present.
 Washington/Oregon Potato Conference, 1987-2012, 2018.
 Idaho/ Malheur Onion Growers Annual Meeting, 1990 - present.
 SLV Potato/Grain Conference, 1984-1987, 2001.
 Extension Annual Conference, 1990-1996, 2013.
 Pacific Northwest Vegetable Association, 1992, 1993, 2005, 2007, 2008, 2010, 2014, 2015, 2016.
 National Potato Council Expo, 2006 – 2016, 2018.
 World Potato Congress, 2006, 2018.
 Idaho Grower/Shipper Association, 1996, 2004-2012, 2014 - 2018.
 Leadership Idaho Agriculture Alumni Association, 1997 – 2007.

Administration/Management:

Writing competitive proposals workshop, University of Idaho Office of Sponsored Programs, February, 2004.
 How to handle people with tact and skill, Career Track Seminar, October, 2004.

Honors and Awards:

Idaho Agriculture in the classroom Advocate for Idaho Agriculture Award (2016)
 CALS Deans Award for work with TVAC to fund Parma R&E Center (2014)
 Idaho Governor's Award for Excellence in Agriculture, Technical Innovation (2012)
 University of Idaho College of Agriculture and Life Sciences Dean's Achievement Award (2001)
 University of Idaho Alumni Service Award (2001)
 Idaho-Eastern Oregon Onion Industry Appreciation Award (1997)
 Idaho Grower Shipper Association Outstanding Service Award (1996).
 Potato Association of America Graduate Student Paper Awards, First Place (1990)
 National Potato Council Auxiliary Scholarship (1989)