

MARK J PAVEK

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WASHINGTON STATE UNIVERSITY APPOINTMENT

Appointment: 75% Extension, 25% Research; Potato and Vegetable Crops
Initial hire date: February 2004

EDUCATION

Ph.D. Horticulture – Potato Agronomy, Washington State University, May 2003.
M.S. Plant Science – Plant Protection University of Idaho, Dec 1997.
B.S. Plant Science – Crop Production, University of Idaho, May 1994.
B.S. Agricultural Economics – Agribusiness, University of Idaho, Dec 1989.

PROFESSIONAL EMPLOYMENT RECORD

2004 (Feb) – present. *Professor, Extension and Research Horticulturist* – Potatoes and Vegetable Crops, Dept. of Horticulture, Washington State University (**75% Extension, 25% Research**). Research and Extension activities on potato agronomy, variety development, production, processing, fresh market, economics, pest management.
2000-03. *Graduate Research Assistant* - PhD, Washington State University, Pullman, WA.
1997–00. *Field Research Manager*, NatureMark Potatoes, a division of Monsanto, Boise, ID & Richland, WA. Research and development of transgenic potatoes.
1994-97. *Graduate Research Assistant* - MS, University of Idaho, Twin Falls, ID.
1991-94. *Field Research Assistant*, Zeneca Ag Products (Presently Syngenta Ag), Boise, ID.
1990-91. *Assistant Farm Manager*, SSI Land & Cattle, Caldwell, ID.

PROGRAM SUMMARY (2004-February 2020)

Peer-reviewed Journal Articles: 55
Funding to Pavek Program: > \$6,200,000
Books Edited: 1, Chapters written: 2
Extension Presentations: 246 Invited Presentations: 60
Graduate students chaired: 10 (7 of those post-tenure) (3 PhD, 7 MS), soft funded
Graduate student committees: 16
Potato variety releases: 33, joint with NW Potato Var Dev. Prog. WSU, UI, OSU, USDA-ARS
Staff funded on soft monies: 3.5 FTE (2018) and 3-6 hourly employees
Executive Boards/Committees: WA-OR Potato Conf, Potato Assoc. of America (PAA), PNVA
Website: <http://potatoes.wsu.edu/>
Recent Award: Distinguished Alumni Award 2018, Univ. of ID College of Ag& Life Sci
National Leadership: Vice President, Potato Association of America

BOOK, PEER-REVIEWED:

Co-Editor: CABI publication: Navarre R. and M. J. Pavek. 2014. [*The Potato: Botany, Production, and Uses*](#). Nineteen chapters, 370 pages; emphasized world-wide authorship.

BOOK CHAPTERS, PEER-REVIEWED:

1. **Pavék, M.J.** 2014. Commercial Potato Production and Cultural Management. In Navarre and Pavék (eds) *[The Potato: Botany, Production, and Uses](#)*. CAB International, UK, pp 83-102.
2. Wohleb, C.H., N.R. Knowles, and **M.J. Pavék**. 2014. Plant Growth and Development. In Navarre and Pavék (eds) *[The Potato: Botany, Production, and Uses](#)*. CAB International, UK, pp 64-82.

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RECENT PEER-REVIEWED PUBLICATIONS

1. Gundersen, B., Inglis, D.A., **Pavék, M.**, Karasev, A.V. 2019. Foliar and Tuber Reactions of Three Strains of Potato virus Y on Five Fresh Market Potato Cultivars through Three Successive Potato Generations. *Am. J. Potato Res.* 96, 519–531 (2019).
<https://doi.org/10.1007/s12230-019-09738-3> (2-6)
2. Shock, C.C., C. R. Brown, V. Sathuvalli, B.A. Charlton, S. Yilma, D.C. Hane, R. Quick, K.A. Rykbost, S.R. James. A.R. Mosley, E.B.G. Feibert, J.L. Whitworth, R.G. Novy, J.C. Stark, **M.J. Pavék**, N.R. Knowles, D.A. Navarre, J.C. Miller Jr, D.G. Holm, S.S. Jayanty, J. Debons, M.I. Vales, X. Wang, L.L. Hamlin. 2018. TerraRossa: A Mid-Season Specialty Potato with Red Flesh and Skin and Resistance to Common Scab and Golden Cyst Nematode. *Am J Potato Res* 95:597-605 (2-6)
3. Rosen, C., N. Sun, N. Olsen, M. Thornton, **M. Pavék**, L. Knowles, N.R. Knowles. 2018. Impact of Agronomic and Storage Practices on Acrylamide in Processed Potatoes. *Am J Potato Res* 95:319-327 (2-6)
4. Stark, J.C, R.G Novy, J.L. Whitworth, N.R. Knowles, **M.J. Pavék**, M. Thornton, C.R. Brown, B.A. Charlton, V. Sathuvalli. T.L. 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. *Am J Potato Res* 95:110122 <https://doi.org/10.1007/s12230-017-9593-1> (2-6)
5. Yongsheng Si, Sindhuja Sankaran, N. Richard Knowles and **Mark J. Pavék**. 2018. Image-based automated potato tuber shape evaluation. *Journal of Food Measurement and Characterization* 12:702–709. <https://doi.org/10.1007/s11694-017-9683-2> (2,3,6)
6. **Pavék, M.J.***, Z.J. Holden, R.R. Spear[†], and B.J. Weddell. 2018. Improving land use efficiency and grower revenue by reducing potato row width. *Am J Potato Res.* <https://doi.org/10.1007/s12230-018-9645-1>. (1-6)
7. Miller Jr, J.C., D.C. Scheuring, J.W. Koym., D.G. Holm, J.J. Pavék, R.G. Novy, J.L. Whitworth, J.C. Stark, B.A. Charlton, S. Yilma, N.R. Knowles, **M.J. Pavék**, J.J. Nunez, R. Wilson, C.R. Brown, C.C. Shock, C.M. Long. 2018. Reveille Russet: An Early, Widely Adapted, High-Count-Carton Russet for the Fresh Market. *Am J Potato Res* 95:79–86, <https://doi.org/10.1007/s12230-017-9620-2> (2-6)