

Curriculum Vitae:**Stephanie J. Walker, Ph.D.**

Extension Vegetable Specialist
Dept of Extension Plant Sciences
New Mexico State University
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Education

- Ph.D. Agronomy. 2007. New Mexico State University (NMSU)
- M.S. Horticulture (Minor in Experimental Statistics). 1997. NMSU
- B.S. Biology. 1984. NMSU

Employment

- 2022-present. Extension Vegetable Specialist/Professor. Dept. of Extension Plant Sciences, NMSU
- 2016-2022. Extension Vegetable Specialist/Associate Prof. Dept. of Extension Plant Sci., NMSU
- 2009-2016. Extension Vegetable Specialist/Assistant Prof. Dept. of Extension Plant Sci., NMSU
- 2004-2009. Extension Vegetable Specialist/Extension Assoc. Dept. of Extension Plant Sci., NMSU
- 1998-2004. Senior Research Specialist. Dept. of Plant and Environmental Sciences, NMSU
- 1995-1998. Graduate Research Assistant. Dept. of Plant and Environmental Sciences, NMSU
- 1990-1995. Quality Control Manager. Pet, Incorporated/Pillsbury
- 1985-1990. Quality Control Supervisor. Pet, Incorporated

Major Extension Areas

- Chile Pepper Institute, Co-Director
- New Mexico Chile Conference, Chair
- Western Sustainable Agriculture Research & Extension Program (WSARE), Co-chair NM State Development Program
- New Mexico Master Gardener Program, Vegetable Production Educator
- Chile, Onion, Sustainable Agriculture Field Day Coordinator

Major Research Areas

- Chile pepper mechanization including, cultivar development, field production protocols and equipment trials
- Introduction of novel vegetables for NM production
- Vegetable breeding to increase value for NM producers

Professional Society Activity

- American Society for Horticultural Science (1996-present)
- International Society for Horticultural Science (2012-present)
- Epsilon Sigma Psi, the Honorary Extension Professionals Society (2010-present; 2022 President, NMSU Chapter)
- New Mexico Crop Improvement Association (2004-present)
- Sigma Xi, Scientific Research Honor Society (1998-present)

Honors & Awards

- Distinguished Award for Extension, Outreach, and Community Engagement, New Mexico State University (April 2022)

- Educator of the Year, New Mexico Organic Farming Conference, New Mexico Dept. of Agriculture (February 2020)
- Jose Fernandez Endowed Chair Recipient, New Mexico State University, College of Agriculture, Consumer and Environmental Sciences (July 2019-June 2022)
- Blue Ribbon Award, American Society of Agricultural and Biological Engineers, as co-author of Extension Publication “GMO Crops in New Mexico Agriculture” (January 2019)
- Underdog Distinguished Extension Award, New Mexico State University, College of Agriculture, Consumer and Environmental Sciences (April 2016)
- Mid-Career Award, Epsilon Sigma Phi (March 2016)

Research Publications (selected within 5 years)

- Lozada, D., Bosland, P., Barchenger, D. W., Haghshenas-Jaryani, M., **Walker, S.** (2022). Chile pepper (*Capsicum*) breeding and improvement in the "multi-omics" era. *Frontiers Plant Science* 13(879189); <https://doi.org/10.3389/fpls.2022.879182>
- **Walker, S.**, Funk, P., Joukhadar, I., Place, T., Havlik, C., Tonnessen, B. (2021) NuMex Odyssey', a New Mexico type green chile pepper for mechanical harvest. *HortScience*; doi.org/10.21273/HORTSCI15793-21
- **Walker, S.**, Funk, P., Joukhadar, I., Place, T., Havlik, C., Tonnessen, B. (2021) NuMex Odyssey', a New Mexico type green chile pepper for mechanical harvest. NMSU Agricultural Experiment Station Cultivar Release
- Joukhadar, I., **Walker, S.** (2020) Effect of stand reduction at different growth stages on yield of paprika-type chile pepper. *Horticulturae* 6(16); [doi:10.3390/horticulturae6010016](https://doi.org/10.3390/horticulturae6010016)
- Haynes, K.G., Zotarelli, L., Christensen, C.T., **Walker, S.** (2019) Early Generation Selection within a Diploid Hybrid *Solanum tuberosum* Groups Phureja and Stenotomum Population for the Intense Yellow-flesh Creamer Potato Market. *HortScience* 54(12); doi.org/10.21273/HORTSCI13576-18
- Joukhadar, I.S., **Walker, S.**, Funk, P.A (2018) Comparative mechanical harvest efficiency of six New Mexico pod-type green chile pepper cultivars. *HortTechnology*, 28(3): 310-318
- Joukhadar, I.S., **Walker, S.** (2018) Evaluation of a New Mexico landrace and two commercial chile (*Capsicum annuum*) cultivars under four furrow irrigation schedules. *Horticulturae*; doi.org/10.3390/horticulturae4010004.

Extension Publications (selected within 5 years)

- **Walker, S.**, Joukhadar, I., Garvin, L.A., Tonnessen, B. (2022) Vegetable seed saving for home gardeners and small-scale farmers. NMSU Cooperative Extension. Guide H-262, <https://pubs.nmsu.edu/h/H262.pdf>
- **Walker, S.** (2021) Growing zones, recommended crop varieties, and planting and harvesting information for home vegetable gardens in New Mexico. NMSU Cooperative Extension Circular H-457B, <https://aces.nmsu.edu/pubs/circulars/CR457B.pdf> (revised)
- **Walker, S.**, Bosland, P (2019) Growing chile peppers in New Mexico gardens. NMSU Cooperative Extension Bulletin H-240, <https://aces.nmsu.edu/pubs/h/H240/welcome.html> (revised)
- **Walker, S.** (2018) Red chile and paprika production in New Mexico. NMSU Cooperative Extension Bulletin H-257, <https://aces.nmsu.edu/pubs/h/H257/welcome.html>
- Hanson, S. F., Beck, L. L., Flores, N., **Walker, S.**, Marsalis, M. A., Heerema, R. (2017) GMO crops in New Mexico agriculture. NMSU Cooperative Extension circular CR-682, <https://aces.nmsu.edu/pubs/circulars/CR682/welcome.html>