

Curriculum Vitae (last 6 yrs)

Ronald Edward Peachey
Associate Professor, Practice
Horticulture Department
Oregon State University

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Education and Employment Information

Position title: Vegetable Extension/Weed and Integrated Pest Management

Education

- Ph.D. Crop Science. Oregon State University, Corvallis, Oregon. July 2004.
- M.S. Horticulture. Oregon State University, Corvallis, Oregon. March 1993.
- B.S. Horticulture and General Ag. Oregon State University, Corvallis, Oregon. 1986.
- A.A. Electronics Technology. Hesston College, Hesston, Kansas. 1976.

Employment

- Associate Professor (Practice). Department of Horticulture, Oregon State University. May 2014 to present.
- Associate Professor, Senior Research. Department of Horticulture, Oregon State University. January 2012 to May 2014.
- Assistant Professor, Senior Research. Department of Horticulture, Oregon State University. July 2005 to December 2012.
- Interim Vegetable Extension Agent, Marion County, Oregon. January to December 1998.
- Senior Research Assistant. Department of Horticulture, Oregon State University. January 1996 to June 2005.
- Research Assistant. Department of Horticulture, Oregon State University. April 1993 to December 1996.
- Graduate Research Assistant. Oregon State University. April 1991 to March 1993.
- Agriculture Extension Program Leader. MCC, Dhaka, Bangladesh. June 1989 to November 1990.
- Horticulture Advisor. MCC, Dhaka, Bangladesh. November 1987 to June 1989.
- Research Assistant. Crop Science Department, Oregon State University, June 1986 to March 1987.

Publications

a) Refereed publications (* indicates student or RA)

- Zubeyde Filiz, A., M. Williams II, R. Becker, V. A. Fritz, E. Peachey, and T. Rabaey. 2016. Alternatives to atrazine for weed management in processing sweet corn. *Weed Science* 64(3): 531-539.
- Brainard, D.C., E. Peachey, E. Haramoto, J. Luna and A. Rangarajan. 2013. Weed ecology and management under strip-tillage: Implications for Northern U.S. vegetable cropping systems. *Weed Technology* 27: 218-230.

- Peachey, R.E, D. Doohan, and T. Koch. 2012. Selectivity of fomesafen based systems for preemergence weed control in cucurbit crops. *Crop Protection* 40: 91-97.
- Peachey, R. E. and C. Mallory-Smith. 2011. Effect of fall tillage and cover crop strategies on wild-proso millet (*Panicum miliaceum*) emergence and interference in follow-crops. *Weed Technol.* 25:119-126.
- Fredrickson*, L., P. A. Skinkis and E. Peachey. 2011. Cover crop and floor management affect weed coverage and density in an establishing Oregon vineyard. *Hort Technology* 21: 208-216.
- Williams, M. M., R. Boydston, R. E. Peachey, and D. Robinson. 2011. Performance consistency of reduced atrazine use in sweet corn. *Field Crops Res.* 121: 96-104.
- Coakley, S.M., Jones, G.V, Page, S., and K.D. Dello. 2010. Climate Change and Agriculture in Oregon. In “Oregon Climate Assessment Report”, K.D. Dello and P.W. Mote (eds). College of Oceanic and Atmospheric Sciences, Oregon State University, Corvallis, Oregon. Peachey contributing author.
- Peachey, R. E. and C. Mallory-Smith. 2007. Influence of winter seed position and recovery date on hairy nightshade (*Solanum sarrachoides*) recruitment and seed germination, dormancy, and mortality. *Weed Sci.* 55:49-59.
- Peachey, E., R. L. Ludy, M. L. Powelson, and D. McGrath. 2006. Modification of plant arrangement suppresses white mold of snap beans. *HortScience* 41:1298-1302.
- Peachey, R. E., R. D. William and C. Mallory-Smith. 2006. Effect of spring tillage sequence on summer annual weeds in vegetable row crop. 2006. *Weed Technol.* 20: 204–214.
- Rupp*, D. E., R. E. Peachey, K. Warren, and J. S. Selker. 2006. Diuron in surface runoff and tile drainage from two grass-seed fields. *J. Env. Quality.* 35:303-311. *Qual.* 35: 303-311.
- Peachey, R. E., R. D. William and C. Mallory-Smith. 2005. Effect of notill or conventional planting and cover crops residues on weed emergence in irrigated vegetable row crops. *Weed Technol.* 18: 1023-1030.
- Peachey, R. E., A. Moldenke, R. D. William, R. Berry, E. Ingham, and Eric Groth. 2002. Effect of cover crops and tillage system on symphylan (Symphlya: *Scutigereella immaculata*, Newport) and *Pergamasus quisquiliarum* Canestrini (Acari: Mesostigmata) populations, and other soil organisms in agricultural soils. *J. of Applied Soil Ecol.* 598: 1–12.
- Peachey, R. E., J. N. Pinkerton, K. L. Ivors, M. L. Miller, And L. W. Moore. 2000. Effect of soil solarization, cover crops, and metham on field emergence and survival of buried annual bluegrass (*Poa annua*) Seeds. *Weed Technol.* 15: 81-88.

b) Extension Publications

- Peachey, E. 2019. Weed Management in Conventional and Organic Snap Beans (2019). Oregon State University Extension Service (EM9025), <https://catalog.extension.oregonstate.edu/em9025>
- Sullivan, D. M., Andrews, N., Heinrich, A. L., Peachey, R. E., Brewer, L. J. (2019). Soil nitrate testing for Willamette Valley vegetable production (vol. EM9221, pp. 19). Corvallis OR: Oregon State University Extension Service. <https://catalog.extension.oregonstate.edu/em9221>
- Pacific Northwest Weed Management Handbook. 2007 to 2017. Edited by E. Peachey, Oregon State University Press, Corvallis, OR 97331. <http://pnwhandbooks.org/weed/>
- Peachey, R.E., C. Landgren, and T. Miller. December 2017. Weed and Vegetation Management Strategies in Christmas Trees. PNW 625. Oregon State University Press, Corvallis, OR 97331. <https://catalog.extension.oregonstate.edu/pnw625>
- Sullivan, D. E. Peachey, Heinrich, A., and L. Brewer. 2017. Nutrient Management for Sustainable Vegetable Cropping Systems in Western Oregon. EM 9165. <https://catalog.extension.oregonstate.edu/em9165>
- Andrews, N., L. Coop, A. Heinrich, J. Myers, H. Nordyke, E. Peachey, H. Stoven. 2017. Two Online Decision Tools: Organic Nutrient Management and Crop Scheduling in Oregon.

- Conference Proceedings, Sino-U.S. Agricultural Education.
- Heinrich, A., D. Sullivan, E. Peachey. Nov. 2016. Snap Bean—Western Oregon, Nutrient Management Guide. OSU Extension publication EM9154.
<https://catalog.extension.oregonstate.edu/em9154>
- Heinrich, A. L., A. Stone, D. Sullivan, J. Myers, and E. Peachey. 2016. Integrated Clubroot Management for Brassicas. OSU Extension publication EM9148.
<https://catalog.extension.oregonstate.edu/em9148>
- Green, J., Dreves, A., McDonald, B., and Peachey, E. February 2016. Winter Cutworm: A New Pest Threat in Oregon. EM 9139. <https://catalog.extension.oregonstate.edu/em9139>
- Veg-e-notes. Newsletter published biweekly (mostly) during the summer with a mailing list of ~400. 12-20 issues per year, beginning in April 2015.
- Fruit, hazelnut, and vineyard production guides, Edited by J. Pschiedt, Oregon State University Press, Corvallis, OR 97331.

c) Proceedings articles/peer reviewed research reports

Proceedings

- Peachey, E., and A. Donaldson. 2019. Weed Control Strategies for Interseeding of Cover Crops in Non-Transgenic Sweet Corn. Abstract in Proceedings of the Western Society of Weed Science, Denver, CO. 72: Poster.
- Donaldson, A., and E. Peachey. 2019. Interseeded cover crop tolerance to herbicides in non-transgenic sweet corn. Abstract in Proceedings of the Western Society of Weed Science, Denver, CO. 72: Poster.
- Moretti, M, Larissa Larocca de Souza, and Ed Peachey. 2018. Field bindweed response to preemergent herbicides in highbush blueberries. Anaheim, CA. 71:13
- Peachey, E. 2018. Cover Crop Tolerance to Herbicides: Implication for Interseeding Cover Crops. Abstract in Proceedings of the Western Society of Weed Science, Anaheim, CA. 71:16. Poster.
- Peachey, E. 2017. Tolpyralate efficacy and utility in sweet corn and other vegetable crops. Abstract in Proceedings of the Western Society of Weed Science, Coeur d'Alene, ID. 70:12. Presentation.
- Peachey, E., J. Green. 2015. Field bindweed control in small fruits with quinclorac. Abstract in Proceedings of the Western Society of Weed Science, Portland, OR, 68:23. Presentation.
- Sagili, R, E. Peachey, S. Roa, and L. Hooven. 2015. Evaluating Impacts of Herbicide Resistant GE Cropping Systems on Pollinator Habitat and Nutrition. Abstract in Proceedings of the Western Society of Weed Science, Portland, OR, 68:24. Presentation.
- Green, J. E. Peachey, and R. Boydston. 2015. Establishment and detection of the Field Bindweed Moth (*Tyta luctuosa*) in the Pacific Northwest. Abstract in Proceedings of the Western Society of Weed Science, Portland, OR, 68:88. Poster.
- Green, J. and E. Peachey. 2014. Screening for glyphosate resistance in marehail. Abstract in Proceedings of the Western Society of Weed Science, Portland, OR, 67:88. Poster.
- Peachey, E. 2014. Integrated strategies for weed control in table beets. 2014. Abstract in Proceedings of the Western Society of Weed Science, 67:23. Presentation.
- Peachey, E. and B. Withrow-Robinson. 2013. Development of vegetation management strategies to rehabilitate riparian agricultural sites in western Oregon. Abstract in Proceedings of the Western Society of Weed Science, 66:11. Poster
- Miller, T.W., R. E. Peachey, and C. R. Libbey. 2013. Testing herbicides for weed control and crop safety in conifer nurseries. Proceedings, Western Society of Weed Science, San Diego, CA, 66:24. Poster.

- E. Peachey. 2012. Post-dispersal seed predation by carabid beetles in vegetable row crop rotations. Abstract in Proceedings of the Western Society of Weed Science, 65:15. Presentation.
- Peachey, E., and R. Boydston. 2011. Effective use patterns for HPPD herbicides in non-transgenic conservation tillage sweet corn. Abstract in Proceedings of the Western Society of Weed Science, 64:11. Presentation.
- Peachey, E. and A. Greco. 2011. Effect of timing and rate on efficacy of flazasulfuron and other dormant season herbicides in vineyards. Abstract in Proceedings of the Western Society of Weed Science, 64:11. Poster.
- Green, J., E. Peachey, R. Boydston, D. Kaufman, and E. Coombs. 2011. Improving control of field bindweed (*Convolvulus arvensis*) in Willamette Valley berries. Abstract in Proceedings of the Western Society of Weed Science, 64:13. Poster.

Research Reports WSWS

- Roerig, K. C. and R. Peachey. 2018. Evaluation of herbicide crop safety and weed control in quinoa. Research Progress Reports of the Western Soc. of Weed Sci., Anaheim, CA.
- Green, J. R. E. Peachey, and A. Greco. 2013. Seed predation and caching behavior by ground beetles; consequences for wild-proso millet (*Panicum miliaceum L.*). Research Progress Reports of the Western Soc. of Weed Sci. p 32. Mar 11-14, San Diego, CA.
- Green, J., R. E. Peachey. 2013. Developing new techniques to improve efficacy and detection of *Tyta luctuosa*, a biological control agent for field bindweed (*Convolvulus arvensis L.*). Research Progress Reports of the Western Soc. of Weed Sci. p 37. Mar 11-14, San Diego, CA.
- Peachey, R.E. Efficacy and crop safety of herbicides on garden beet, spinach and chard. 2013. Research Progress Reports of the Western Soc. of Weed Sci. p 34. Mar 11-14, San Diego, CA.

Presentations

- Weed Management Challenges in Vegetable Production, Mid Valley Core Course, Wilsonville, Nov 15, 2018.
- Interseeding cover crops: Virtual Field Tour. Presentation at NRCS Cover Crop Field Day. March 29, 2018.
- Weed Control in Christmas Trees. Molalla. March 1, 2018.
- The Future of Weeds in Specialty Seed Crops (we all hope there is no future!). Jan 16, 2018.
- The Future of Weeds. HAREC Annual Grower Meetings, Nov. 29, 2017. Hermiston OR
- Weed Control, Herbicide Carryover, and Implications for Interseeding of Cover Crops. OPVC annual grower meeting, Jan. 23, 2017, Albany OR
- Weed Management in Berry Crops. NWHS berry section. January 19, 2017. Presented on behalf of Tim Miller of Mt. Vernon, WA.
- The Future of Herbicides, NWHS, January 12, 2017. Canby, Oregon.
- Field Tour. Weed and Cover Crop Management in Specialty Seed and Other Vegetable Crops, Corvallis, August 28, 2017.
- The Future of Weeds in Oregon Vegetables. Vegetable Extension Mtg. with Richard Smith, Salinas, CA, October 25, 2017.
- Sweet Corn, Snap beans, Processing Squash: Weed Control and Nutrient Management. National Frozen Foods Grower Meeting, Chemeketa Wine Center, Dec 21, 2016, West Salem, OR.

The Future of Weeds, Agriculture Research Foundation Board Meeting, Dec. 16, 2016. Corvallis, OR.

The Future of Weeds, Pratum Coop Grower Meeting, Dec. 8, 2016, Salem, OR (200)

Weed Seedbanks and Crop Rotations. Organic Buyer-Grower Event, Collaborating with Stone. NWREC, Nov. 30, 2016, Aurora, OR.

Interseeding Cover Crops in Vegetables. Pacific Northwest Vegetable Association, Nov. 16, 2016. Kennewick, WA (200).

Vegetable Crops Research Field Tour, Vegetable Crops Research Farm, Sept 19, 2016 (35) Field Tour. Weed Management in Sweet Corn and Other Vegetables. Monroe and Corvallis, July 17, 2016.

Specialty Seeds, Nuts, and Weeds in the Willamette Valley (PART II). Presentation to Marion Ag Service clientele, St. Paul, Feb 4, 2016.

Weeds in Row Crops. Presentation to the Oregon Proc. Veg. Commission Annual Mtg. January 27, 2016 Albany Fairgrounds.

Weed Control in Specialty Seed Crops: Mechanical, Biological and Chemical Strategies. SSGWO, Linn County Fairgrounds Jan. 22, 2016.

The Future of Weeds. North Willamette Hort Society, Canby Oregon, Jan 13, 2016.

Weed Control in Blueberries and Hazelnuts. Pratum Coop grower meeting. Salem Convention Center, Dec. 17, 2015.

Oregon Society of Weed Science. Managing weeds in nuts and berries. Hood River, October, 2015.

Processed Vegetable Field Tour, Veg Research Farm, Corvallis, Sept 10, 2015.

Herbicide Screening in Fresh Market Vegetables. Two field tours to view and discuss potential herbicide options in fresh market vegetable crops. NWREC, June 29 and July 2, 2015.

Weed Management in Rhubarb. Two field tours of demonstration plot near Cornelius, OR. April 9 and May 8, 2015.

Cover Crops in Christmas Trees, IPPC Pesticide Training, Wilsonville, March 20, 2015.

Specialty Seeds, Nuts, and Weeds in the Willamette Valley. Presentation to Marion Ag Service clientele, St. Paul, Feb 12, 2015.

Weed Management Techniques in Willamette Valley Hort Crops. Wilbur Ellis, Feb 4, 2015, Salem OR.

Weed Management. Presentation to the Oregon Proc. Veg. Commission Annual Mtg. January 22, 2015.

Managing Weeds in Specialty Seeds: Trials, Tribulations and Triumphs. SSGWO, Linn County Fairgrounds, Jan 20, 2015.

Weed Management in Vegetables. NWHS, Jan 15, 2015.

Herbicides in Blueberries and Hazelnuts & Glyphosate Concerns in Hazelnuts, Pratum Coop Grower meeting, Salem, OR, Dec 10, 2014.

Weed Control in Blueberries, Wilbur Ellis Training Mtg., Nov 18, 2014, Salem, OR 75 attending

Current Trend and Challenges in Processed Vegetable Production, OR Ag Chemical Dealers, meetings in Springfield and Wilsonville, Nov 5 and 6, 2014.

Processed Vegetable Production: Current Trends and Challenges, OSWS, Oct 25, 2014.

Weed Control Updates, NWREC, Feb 27, 2014. Wilbur Ellis Grower Meeting.

Practical Solutions and Alternatives for Weed Management in Vineyards. Feb 26, 2014.
Presentation for the Oregon Wine Institute, Portland, OR.

Weed Control in Specialty Seeds. January 23, 2014. Specialty Seed Growers of the Western OR,
Linn County Fair Grounds, Albany.

Weed Management. Presentation to the Oregon Proc. Veg. Commission Annual Mtg. January 22,
2014.

Weed Management in Berry Crops. Presentation at the N. Willamette Hort. Soc. Berry Day. Jan
17, 2014.

Weed control updates in Veggie Crops. Presentation at the N. Willamette Hort. Soc. Vegetable
Day. Jan 16, 2014.

Professional Awards

Fellow Award, Western Society of Weed Science, Presented March 2017 at annual meeting in
Coeur D'Alene, Idaho

Professional Service Award, Western Society of Weed Science, Presented March, 2006 at annual
meeting in Reno, Nevada.

Professional Service Award. Oregon Society of Weed Science. 2003.