

CURRICULUM VITAE

Associate Professor of Horticulture
Department of Horticulture & Landscape Architecture
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EDUCATION:

B.S. Crop Science 1979 California State Polytechnic University, San Luis Obispo
M.S. Horticulture 1982 Washington State University, Pullman
Ph.D. Horticulture 1984 Washington State University, Pullman

PROFESSIONAL SOCIETIES/ASSOCIATIONS:

[American Society of Plant Biologists](#)
[International Society for Horticultural Science](#)
[Washington State Horticultural Association](#)

INTERNATIONAL EXPERIENCES:

Visiting Scientist, Institute of Grasslands & Environmental Research, Aberystwyth, United Kingdom, 1998-1999
Research Fellow, Department of Horticultural Science, Massey University, Palmerston North, New Zealand, 1988-1990

COURSES:

Pomology (Hort 310/311)	Science and management of deciduous tree fruit production
Fruit Crops Management (Hort 421/521)	Management strategies for optimizing the productivity and resource utilization efficiency of fruit crops
Advanced Topics in Horticulture (Hort 503)	Current topics and research techniques in horticulture

RESEARCH TOPICS:

Sustainability of organic, conventional, and integrated apple production systems
Antioxidant systems in fruit
Environmental stresses in deciduous fruit trees

GRADUATE STUDENTS:

Ricardo Diaz, M.S.
Gregory Peck, M.S.
Carolina Torres, Ph.D.

GRANTS:

USDA National Research Initiative Competitive Grants Program, Managed Ecosystems, 2002-2005, Sustainability of three apple production systems: organic, conventional, and integrated

Washington State Tree Fruit Research Commission, 2001-2004, Partial root zone drying

Washington State Tree Fruit Research Commission, 1993-2004, Controlling sunscald of apple fruit

COMMITTEES:

Graduate Coordinator & Chair, Horticulture Graduate Steering Committee, Department of Horticulture & Landscape Architecture, Washington State University, Pullman

([Horticulture graduate program](#))

Chair, Farm Committee, Department of Horticulture & Landscape Architecture, Washington State University, Pullman ([Ronald B. Tukey Orchard fruit sales](#))

RECENT PUBLICATIONS:

Andrews, P.K. 2002. How foliar-applied nutrients affect stresses in perennial fruit plants. Proc. Intl. Symp. on Foliar Nutrition of Perennial Fruit Plants, Meran, Italy. Acta Horticulturae 594: 49-55.

Mazzola, M., P.K. Andrews, J.P. Reganold, and C. Andre Levesque. 2002. Frequency, virulence and metalaxyl sensitivity of *Pythium* spp. isolated from apple roots under conventional and organic production systems. Plant Disease 86: 669-675.

Peck, G. and P. Andrews. 2002. Marketing organic fruit within the European Union. Good Fruit Grower 53(13): 47 (Aug.).

Andrews, P.K., J.P. Reganold, H.R. Hinman, and J.D. Glover. 2002. Three apple production systems compared. Good Fruit Grower 53(9): 28u (May 1).

Reganold, J.P., J.G. Glover, P.K. Andrews and H.R. Hinman. 2001. Sustainability of three apple production systems. Nature 410: 926-930.

Glover, J., H. Hinman, J. Reganold and P. Andrews. 2001. A cost and return analysis of conventional vs. integrated vs. organic apple production systems. Research Bulletin, Wash. State University Cooperative Extension, Pullman. XB10401.

Andrews, P.K., J.D. Glover and J.P. Reganold. 2001. Horticultural performance, soil quality, and orchard profitability of integrated, organic, and conventional apple production systems. In: J. Avilla and F. Polesny (eds.). Proc. 5th International Conference on Integrated Fruit Production. IOBC/WPRS Bulletin 24(5):393-400.

Andrews, P.K., J.K. Fellman, J.D. Glover and J.P. Reganold. 2001. Soil and plant mineral nutrition and fruit quality under organic, conventional, and integrated apple production systems in Washington State USA. In: D. Nielsen, B. Fallahi, G. Nielsen and F. Peryea (eds.). Proc. 4th International Symp. on Mineral Nutrition of Deciduous Fruit Crops. Acta Horticulturae 564:291-298.

Torres, C., R. Diaz and P.K. Andrews. 2001. Chile leads southern hemisphere in fruit exports. Good Fruit Grower 52(5): 36-39 (March 1).

Glover, J.G., J.P. Reganold and P.K. Andrews. 2000. Systematic method for rating soil quality of conventional, organic, and integrated apple orchards in Washington state. Agriculture, Ecosystems and Environment 80: 29-45.

- Glover, J. G., P. K. Andrews and J. P. Reganold. 2000. Applying a soil quality index to conventional, integrated, and organic apple production systems. Proc. International Conference on Integrated Fruit Production. Acta Horticulturae 525: 217-228.
- Andrews, P.K., M.L. Collier and D. Fahy. 1999. Gala stem-end splitting and internal ring cracking. Good Fruit Grower 50(11): 20-23 (June).