

CURRICULUM VITAE

for

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Education

Lake Region High School, Naples, Maine (valedictorian), 1975.
University of Maine, Orono, September, 1975 to May, 1977.
Virginia Polytechnic Institute & State University, B.S., Horticulture (*summa cum laude*), 1979.
University of Massachusetts, M.S., Plant & Soil Sciences, 1982.
University of Massachusetts, Ph.D., Plant & Soil Sciences, 1985.

Experience

Professor of Pomology, University of Massachusetts, September 1, 1997 to present.
Extension Tree Fruit Specialist, University of Massachusetts, November 3, 1985 to present.
Extension Fruit Team Leader, University of Massachusetts, November 3, 1985 to August 31, 1996 and October 1, 1998 to present.
Coordinator of the Stockbridge Fruit & Vegetable Program, January 1, 1989 to present.
Agriculture & Landscape Program Co-director, University of Massachusetts, June 20, 2003 to December 31, 2003.
Agroecology Program Coordinator, University of Massachusetts, February 1, 1996 to August 31, 1998
Associate Professor of Pomology, University of Massachusetts, September 1, 1991 to August 31, 1997.
Assistant Professor of Pomology, University of Massachusetts, November 3, 1985 to August 31, 1991.

Thesis and Dissertation

Autio, W. R. 1982. *Effects of Aminoethoxyvinylglycine on Maturation, Ripening, and Storage of Apples*. M.S. Thesis. University of Massachusetts, Amherst.
Autio, W. R. 1985. *Chilling Sensitivity During Tomato Fruit Ripening*. Ph.D. Dissertation. University of Massachusetts, Amherst.

Refereed Articles

Bramlage, W. J., D. W. Greene, W. R. Autio, and J. M. McLaughlin. 1980. Effects of aminoethoxyvinylglycine on internal ethylene concentrations and storage of apples. *J. Amer. Soc. Hort. Sci.* 105:847-851.
Autio, W. R. and W. J. Bramlage. 1982. Effects of AVG on maturation, ripening, and storage of apples. *J. Amer. Soc. Hort. Sci.* 107:1074-1077.
Lord, W. J., W. J. Bramlage, and W. R. Autio. 1985. The Marshall McIntosh. *Fruit Var. J.* 39:37-41.
Autio, W. R. and W. J. Bramlage. 1986. Chilling-sensitivity of tomato fruit in relation to ripening and senescence. *J. Amer. Soc. Hort. Sci.* 111:201-204.
Autio, W. R., S. A. Weis, and W. J. Bramlage. 1986. Development of forecasting equations for apple storage disorders: The Tobit model vs. classical linear regression. *HortScience* 21:474-475.
Autio, W. R., W. J. Bramlage, and S. A. Weis. 1986. Predicting the occurrence of poststorage disorders of 'Cox's Orange Pippin' and 'Bramley's Seedling' apples. *J. Amer. Soc. Hort. Sci.* 111:738-742.
Autio, W. R. and F. W. Southwick. 1986. The effects of rootstock and stem piece on yield, tree size, and anchorage of 'Delicious' apple trees. *Fruit Var. J.* 40:128-133.

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- Greene, D. W. and W. R. Autio. 1989. Evaluation of benzyladenine as a chemical thinner on 'McIntosh' apples. *J. Amer. Soc. Hort. Sci.* 114:68-73.
- Autio, W. R., W. J. Bramlage, and W. J. Lord. 1990. Ripening and storability of 'Marshall McIntosh' apples. *Fruit Var. J.* 44:36-40.
- Greene, D. W. and W. R. Autio. 1990. Evaluation of ripening and fruit quality of 'Gala' and 'McIntosh' apples at harvest and following air storage. *Fruit Var. J.* 44:117-123.
- Autio, W. R. and D. W. Greene. 1990. Summer pruning affects the yield and improves the fruit quality of 'McIntosh' apples. *J. Amer. Soc. Hort. Sci.* 115:356-359.
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- NC-140. 1990. Early performance of 'Starkspur Supreme Delicious' on 16 rootstocks in the NC-140 Cooperative Planting. *Fruit Var. J.* 44:225-235.
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- Autio, W. R. 1991. Contemporary evolution of the New England apple industry: Cultivar and rootstock trends. *Fruit Var. J.* 45:98-100.
- NC-140. 1991. Performance of 'Starkspur Supreme Delicious' on 9 rootstocks over 10 years in the NC-140 Cooperative Planting. *Fruit Var. J.* 45:192-199.
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- Vanden Heuvel, J. E., J. L. Robidoux, W. R. Autio, and C. C. Neto. 2005. Timing of partial defoliation affects carbohydrate concentration of vegetative tissue and concentration of phenolics in berries of potted De Chaunac (*Vitis* sp.) grapevines. *Canadian Journal of Plant Sciences* 85:703-708.
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- T.L. Robinson, and M. Warmund. 2004. Early performance of 'Fuji' and 'McIntosh' apple on several semidwarf rootstocks in the 1999 NC-140 Rootstock Trial. *VIII International Symposium on Integrating Canopy, Rootstock and Environmental Physiology in Orchard Systems*, ISHS.
- Autio, W.R., J. Krupa, J.M. Clements, and D.W. Greene. 2006. Using naphthalene acetic acid, Prohexadione-Ca, ethephon, and scoring to differentially reduce vegetative growth in upper canopy of apple trees. *HortScience* 41:1030.
- Cowgill, W.P., W.R. Autio, and M. Maletta. 2007. Performance of four early 'Fuji' cultivars in New Jersey. *HortScience* 42:429.
- Cowgill, W., W. Autio, M. Maletta, J. Clements, and J. Krupa. Differentially reducing growth in the upper canopy of apple trees with naphthalene acetic acid and prohexadione-Ca. *HortScience* 42:908.
- Cowgill, W.P., W.R. Autio, and M. Maletta. Early 'Fuji' cultivar performance in New Jersey. *HortScience* 42:999.

Research Interests

Cropping efficiency of fruit trees on various rootstocks.
 Cropping and economic efficiency of various cultural management systems.
 Vegetative and reproductive growth management.
 Integrated crop management.
 Factors affecting fruit ripening.

Teaching Experience

Classes Taught:

PLSOIL S30	Orchard Management	1988- 1989	4 credits
PLSOIL S34	Plant Nutrients	1990-1991	2 credits
PLSOILIN 100	Botany for Gardeners	1991, 2004-2007	3 credits
PLSOILIN 235	Pruning Fruit Crops	1989-1996, 1999-2007	2 credits
PLNTSOIL 661	Intermediate Biometry	1992-2007	4 credits
PLNTSOIL 691A	Proposal Presentation	2006-2007 (Spring & Fall)	1 credit
PLNTSOIL 697A	Data Analysis & Interpretation	2003-2007 (Spring & Fall)	1 credit

Graduate Program Director, Department of Plant & Soil Sciences, 2003 to present.
 Stockbridge Fruit & Vegetable Crops Program Coordinator, 1988 to present.
 Major advisor for 16 B.S. and 115 A.S. degree students.
 Major advisor for 5 Ph.D. and 4 Masters degree students and served on 50 additional graduate student committees.
 Gave more than 350 presentations to Massachusetts fruit growers and other Extension audiences.

Professional Involvement

American Society of Horticultural Science

Associate Editor, 1995-2001
 Backup Science Editor, 1996.
 Member and Past chair of the Pomology Working Group.
 Member of the Plant Growth Regulator Working Group.
 Member of the Postharvest Physiology Working Group.
 Past chair of the Rootstocks and Compound Genetic Systems Working Group.
 Past member, Nominating Committee, Northeast Region.

American Pomological Society

Chair, Editorial Committee, 1992 to present.
 Resident Agent, 1989 to present
 Past member, Hedrick Award Committee.
 Member, Advisory Board.

NC-140 Rootstock Research Committee

Chair, 1994, 2003.

Vice Chair, 1993, 2002.
Secretary, 1992, 2001.
Coordinator, 1990 Cultivar/Rootstock Planting, 1988 to its completion in 2002.
Coordinator, 1999 Dwarf McIntosh Apple Rootstock Planting, 1998 to present.
Coordinator, 1999 Semidwarf McIntosh Apple Rootstock Planting, 1998 to present.
Coordinator, 1999 Dwarf Fuji Apple Rootstock Planting, 1998 to present.
Coordinator, 1999 Semidwarf Fuji Apple Rootstock Planting, 1998 to present.
Coordinator, 2002 Apple Rootstock Planting, 2001 to present.
Member, Executive Committee, 1992 to present.
Member, 1992-1997 Project Re-write Committee.
Chair, 1997-2002 Project Re-write Committee;
Chair, 2002-2007 Project Re-write Committee.
Chair, 2007-2012 Project Re-write Committee.

New England Fruit Meetings and Trade Show
Program Chair, 1988-93.

Fruit Notes
Senior editor, January, 1986 to present.

Journal of Tree Fruit Production
Senior editor, January, 1992 to 2004.

Journal of Horticultural Science
Associate Editor, 1994 to present.