

## CURRICULUM VITAE

for

### **WESLEY ROBERT AUTIO**

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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 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 Journal Articles (91)***

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.
- NC-140. 1987. Growth and production of 'Starkspur Supreme Delicious' on 9 rootstocks in the NC-140 cooperative planting. *Fruit Var. J.* 41:31-39.
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- Autio, W. R. and W. J. Lord. 1988. Tree characteristics, fruiting, and mineral nutrition of apple trees on M.27 EMLA and three interstocks. *HortScience* 23:983-985.
- 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.
- Greene, D. W., W. R. Autio, and P. Miller. 1990. Thinning activity of benzyladenine on several apple cultivars. *J. Amer. Soc. Hort. Sci.* 115:394-400.
- Greene, D. W. and W. R. Autio. 1990. Vegetative responses of apple trees following benzyladenine and growth regulator sprays. *J. Amer. Soc. Hort. Sci.* 115:400-404.
- 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., J. A. Barden, and G. R. Brown. 1991. Rootstock affects ripening, size, mineral composition, and storability of 'Starkspur Supreme Delicious' in the 1980-81 cooperative planting. *Fruit Var. J.* 45:247-251.
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- Autio, W., T. Robinson, T. Bradshaw, J. Cline, R. Crassweller, C. Embree, E. Hoover, J. Masabni, M. Parker, R. Perry, G. Reighard, T. Roper, J. Schupp, and M. Warmund. 2008. Performance of several dwarfing rootstocks with 'Fuji' and 'McIntosh' as scion cultivars in the 1999 NC-140 Dwarf Apple Rootstock Trial. *9th International Symposium on Integrating Canopy, Rootstock and Environmental Physiology in Orchard Systems, Program and Abstracts*:128.
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- Cowgill, W., W. Autio, R. Magron, and M. Muehlbauer. 2010. Late thinning results with ethephon in NJ on apples in 2009. *Plant Growth Regulator Conference*.
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- Ghantous, K., H. Sandler, W. Autio, and P. Jeranyama. 2010. Response of sawbrier, dewberry, and cranberry vines to infrared and open flame weed control. *Proceedings of the Northeastern Weed Science Society* 64:19-20.

### **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, 2004-2010	3 credits
PLSOILIN 235	Pruning Fruit Crops	1989-2010	2 credits
PLNTSOIL 661	Intermediate Biometry	1992-2010	4 credits
PLNTSOIL 691A	Proposal Presentation	2006-2009 (Spring & Fall)	1 credit
PLNTSOIL 697A	Data Analysis & Interpretation	2003-2010 (Spring & Fall)	2 credit

Graduate Program Director, Department of Plant & Soil Sciences, 2003 to 2009.  
Stockbridge Fruit & Vegetable Crops Program Coordinator, 1988 to present.  
Major advisor for more than 150 undergraduate students.  
Major advisor for 5 Ph.D. and 5 Masters degree students and served on more than 70 additional committees.  
Gave more than 400 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.  
Coordinator, 2010 Apple Rootstock Planting, 2010 to present.  
Member, Executive Committee, 1992 to present.  
Member, 1992-1997 Project Re-write Committee.  
Chair, 1997-2002, 2002-07, 2007-12, 2012-17 Project Re-write Committees.

#### *New England Fruit Meetings and Trade Show*

Program Chair, 1988-93.

#### *Fruit Notes*

Senior editor, January, 1986 to present.

#### *Horticultural News*

Co-editor, 2010 to present.

#### *Journal of Tree Fruit Production*

Senior editor, January, 1992 to 2004.

#### *Journal of Horticultural Science*

Associate Editor, 1994 to present.