

Curriculum Vitae

Duane W. Greene

Professor

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Home Address:

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Education:

High School

Shenendehowa Central, Clifton Park, NY

College

BA Botany, Colgate University, Hamilton, NY, 1964

MS Horticulture, Michigan State University, East Lansing, MI, 1966
Thesis - Redistribution of calcium in Phaseolus vulgaris.

Ph.D. Horticulture, Michigan State University, East Lansing, MI, 1969
Thesis - Factors influencing the foliar penetration of naphthaleneacetic acid and naphthaleneacetamide into pear leaves.

Professional Positions:

1969-1975 Assistant Professor, University of Massachusetts, Amherst

1975-1982 Associate Professor, University of Massachusetts, Amherst

1982-present Professor, University of Massachusetts, Amherst

Membership in Professional Societies:

American Society for Horticultural Science

American Pomological Society

Plant Growth Regulation Society of America

International Dwarf Fruit Tree Association

International Society for Horticultural Science

Teaching Experience:

PLSOIL	S-01	Plant Science I
PLSOIL	S-02	Plant Science II
PLSOIL	S-14	Plant Propagation
PLSOIL	S-30	Orchard Management
PLSOIL	205-CE	Fruit Culture
PLSOIL	100	Basic Plant Science
PLSOIL	386	Independent Study
PLSOIL	496	Independent Study
PLSOIL	550	Plant Growth Regulators in Agriculture
PLSOIL	715	Plant Growth Regulators
PLSOIL	790	Graduate Student Seminar
PLSOIL	791	Graduate Student Seminar
PLSOIL	300	Deciduous Orchards
PLSOIL	305	Small Fruit Production

Advisor to the Following Graduate Students:

William G. Lord	Masters
Thomas Lin	Doctorate
Donald Robinson	Doctorate
Chris Walsh	Doctorate
Nancy Gardner	Masters
Francis Marino	Doctorate
Joann McLaughlin	Masters
Joann McLaughlin	Doctorate
Kathy Hanley	Masters
Robin Cohen	Doctorate
Rongcai Yuan	Doctorate
Jonathan Carr	Masters
Patrecia Groome	Doctorate
Kathleen Leahy	Masters

Sabbatical Leaves:

Tree Fruit Research Center, Wenatchee, Washington, January 1977 - August 1977.

Horticultural Research Institute, Victorian Department of Agriculture, Knoxfield, Victoria Australia, August 1983 - April 1984.

Cornell University, New York Agricultural Research Station, Geneva, New York, January 2000 - July 2000.

American Society for Horticultural Science Committees:

Plant Growth Regulator Nomenclature Committee
Awards Committee
Membership Committee
Membership representative for Massachusetts
Transportation Committee, 75th Annual Meeting, Chairman
Pomology Committee
Graduate Student Activities Committee, Chairman
Plant Growth Regulators in Fruit and Nut Production Working Group, Secretary
Plant Growth Regulators in Fruit and Nut Production Working Group, Chairman
Plant Growth Regulators in Fruit and Nut Production Working Group, Steering Committee
Program Chairman, Northeast American Society for Horticultural Science
New Strategic Planning Committee, Chairman
Tex Frazier Lecture Committee
ASHS Centennial Committee, Chairperson
Pomology Working Group
Post Harvest Working Group
Plant Growth Regulators in Fruit and Nut Production Working Group

Other Professional Activities:

Secretary-Treasurer of the Northeast Section American Society for Horticultural Science
Rootstock Committee of the American Pomological Society
Site selection Committee Plant Growth Regulator Society
President of the Northeast Section American Society for Horticultural Science
Program Chairman, New England Fruit Meetings and Trade Show
Program Chairman, Massachusetts Fruit Growers' Association
Program Chairperson, Plant Growth Regulation Society of America
President, Plant Growth Regulation Society of America
President, American Pomological Society
Director and Principal Investigator, Horticultural Research Center
Associate Editor, HortScience and Journal of the American Society for Horticultural Science
Associate Editor, Quarterly of the Plant Growth Regulation society of America
Editorial Board, Journal of Tree Fruit Production
Associate Editor, Bulletin of the Plant Growth Regulator Society of America
Chairperson, Bioregulators in Fruit Production Working Group, International Society for Horticultural Science
Fellow, American Society for Horticultural Science

Recent Publications:

Refereed Journal Articles (2002-present):

Greene, D. W., 2002. Chemicals, timing, and environmental factors involved in thinner efficacy on apples. *HortScience* 37:477-481.
Greene, D. W. 2002. Development of new plant growth regulators from a University perspective. *HortTechnology* 12:71-74.

- Greene, D. W. 2002. Preharvest drop control of 'McIntosh' apples with aminoethoxyvinylglycine (AVG). *J. Tree Fruit Prod.* 3:1-10.
- Greene, D. W. 2002. Preharvest drop control and maturity of 'Delicious' apples as affected by aminoethoxyvinylglycine (AVG). *Quarterly Plant Growth Reg. Soc. Amer.* 30:121-130.
- Petracek, P. D., F. P. Silverman, and D. W. Greene. 2003. A history of commercial plant growth regulators in apple production. *HortScience* 38:937-942.
- Schupp, J. R., and D. W. Greene. 2004. Effect of aminoethoxyvinylglycine (AVG) on preharvest drop, fruit quality, and maturation of 'McIntosh' apples. I. Concentration and timing of dilute applications of AVG. *HortScience* 39:1030-1035.
- Greene, D. W., and J. R. Schupp. 2004. Effect of aminoethoxyvinylglycine (AVG) on preharvest drop, fruit quality, and maturation of 'McIntosh' apples. II. Effect of timing and concentration relationships and spray volume. *HortScience* 39:1036-1041.
- Greene, D.W., A Azarenko, B. Barritt, R. Belding, L. Berkett, J. Cline, W. Cowgill, D. Ferree, E. Garcia, G. Greene, C. Hampson, R. McNew, I. Merwin, D. Miller, S. Miller, R. Moran, M. Parker, D. Rosenberger, C. Rom, T. Roper, J. Schupp, and E. Stover. 2004. Multidisciplinary evaluation of new apple cultivars: The NE-183 Regional Project. *J. Amer. Pom. Soc.* 58:61-64.
- Miller, S. S., R. McNew, R. Belding, L. Berkett, S. Brown, J. Clements, J. Cline, W. Cowgill, J. R. Crassweller, E. Garcia, D. Greene, G. Greene, C Hampson, I. Merwin, R. Moran, T. Roper, J. Schupp, and E. Stover. 2004. Performance of apple cultivars in the 1995 NE-183 Regional Project planting: II. Fruit quality characteristics. *J. Amer. Pom. Soc.* 58:65-77.
- Hampson, C. R., R. McNew, A. Azaarenko, L. Berkett, B. Barritt, R. Belding, S. Brown, J. Clements, J. Cline, W. Cowgill, R. Crassweller, E. Garcia, D. Greene, G. Greene, I. Merwin, D. Miller, S. Miller, R. Moran, J. D. Obermiller, C. Rom. T. Roper, J. Schupp, and E. Stover. 2004. Performance of 'Braeburn', 'Golden Delicious' and 'Yataka Fuji' on Mark and M.9 rootstocks a multiple locations across North America. *J. Amer. Pom. Soc.* 58:78-89.
- Greene, D.W. 2004. Blossom thinning as a strategy in chemical thinning of apples in New England. *Acta Hort.* 636:331-337.
- Greene, D. W. 2005. Effect of repeated yearly applications of chemical thinners on 'McIntosh' apples. *HortScience* 39:401-403.
- Greene, D. w. 2005. Carryover effects of prohexadione-calcium on apples. *HortScience* 39:13140-1342.
- Stover, E. W., and D. W. Greene. 2005. Environmental effects on the performance of foliar applied growth substances. *HortTechnology* 15:214-221.
- Crassweller, R., R. McNew, R. Belding, S. Brown, J. Clements, J. Cline, W. Cowgill, E. Garcia, D. Greene, G. Greene, C. Hampson, I. Merwin, S. Miller, R. Moran, T. Roper, J. Schupp, and E. Stover. 2005. Five year summary of NE-183 apple cultivar trial. Growth and yield characteristics. *J. Amer. Pom. Soc.* 59:18-27.
- Miller, S., C. Hampson, R. McNew, L. Berkett, S. Brown, J. Clements, R. Crassweller, E. Garcia, D. Greene, and G. Greene. Performance of apple cultivars in the 1995 NE-183 Regional Project planting. III. Fruit sensory characteristics. *J. Amer. Pom. Soc.* 59:28-43.
- Miller, S. S., R. McNew, B. H. Barritt, L. Berkett, S. K. Brown, J. A. Cline, J. M. Clements, W. P. Cowgill, R. M. Crassweller, M. E. Garcia, D. W. Greene, G. M. Greene, C. R. Hampson, I. Merwin, D. D. Miller, R. E. Moran, C. Rom, T. R. Roper, J. R. Schupp, and E. Stover. Effect of cultivars and site of fruit quality as demonstrated by NE-183 Regional Project on apple cultivars. *HortTechnology* 15:886-895.
- Greene, D. W. 2005. Time of aminoethoxyvinylglycine (AVG) application influences preharvest drop and fruit quality of 'McIntosh' apples. *HortScience* 40:2056-2060.
- Greene, D. W. 2006. An update on preharvest drop control of apples with aminoethoxyvinylglycine (ReTain). *Acta Horticulturae* 727:311-320.

- Greene, D. W. 2006. Effect of auxin inhibitors on fruit growth and fruit set of 'McIntosh', 'Delicious' and 'Golden Delicious' apples. *Acta Horticulturae* 727:225-232.
- Lakso, A. N., T. L. Robinson and D. W. Greene. 2006. Integration of environment, physiology and fruit abscission via carbon balance modeling- Implications for understanding growth regulator responses. *Acta Horticulturae* 727:321-326.
- Lakso, A. N., D. W. Greene and W. H. Palmer. 2006. Improvements on an apple carbon balance model. *Acta Horticulturae* 707:57-61.
- Greene, D. W., R. Crassweller, C. Hampson, R. McNew, S. Miller, A. Azarenko, B. Barritt, S. Brown, W. Cowgill, J. Cline, C. Embree, E. Fallahi, B. Fallahi, E. Garcia, G. Greene, T. Lindstrom., I. Merwin, J. D. Obermiller, and M. Stasiak. 2007. Multi-disciplinary evaluation of new apple cultivars: The NE-183 Regional Project 1999 planting. *Journal of the American Pomological Society* 61:78-83.
- Crassweller, R., R. McNew, D. Greene, S. Miller, A. Azaarenko, B. Barritt, G. Greene, C. Hampson, T. Lindstrom, I. Merwin, J. Obermiller, and M. Stasiak. 2007. Growth and yield characteristics of apple cultivars in the 1999 NE-183 Regional Project planting. *Journal of the American Pomological Society* 61:84-96.
- Hampson, C., R. McNew, L. Berkett, R. Crassweller, M. E. Garcia, D. Greene, S. Miller, A. Azarenko, T. Lindstrom, M. Stasiak, W. Cowgill and G. Greene. 2007. Performance of apple cultivars in the 1999 NE-183 Regional Project planting: Fruit sensory characteristics. *Journal of the American Pomological Society* 61:115-126.
- Miller, S., R. McNew, R. Crassweller, D. Greene, C. Hampson, A. Azarenko, B. Barritt, L. Berkett, S. Brown, J. Cline, W. Cowgill, E. Fallahi, B. Fallahi, E. Garcia, G. Greene, T. Lindstrom, I. Merwin, J. Obermiller, and M. Stasiak. 2007. Fruit quality characteristics of apple cultivars in the 1999 NE-183 Regional Project planting. *Journal of the American Pomological Society* 61:97-114.
- Greene, D. W. 2007. The effect of prohexadione-calcium on fruit set and chemical thinning of apple trees. *HortScience* 42:1361-1365.
- Greene, D. W. 2008. Effect of repeat annual applications of prohexadione-calcium on fruit set, return bloom and fruit size of apples. *HortScience* 43: (in press).