

4.0 EXTENSIONS, CONTINUING EDUCATION, PUBLIC OUTREACH

Such activities include extension publications, consultations, courses, organization and participation in meetings, media interviews, field days, etc. Briefly indicate the extent of the activity. An Extension Dossier may be submitted, if appropriate.

4.1 Extension and Popular Press Publications (Career Total = 75)

1. Cline, J. A. 2007. A Gift That Will Bear Fruit: Orchard's Bequest to Create the Walter and Laura Scott Tree Fruit Research and Education Fund. Orchard Network Orchard Network 11(2): x-x.
2. Cline, J. A. 2007. A Gift That Will Bear Fruit: Orchard's Bequest to Create the Walter and Laura Scott Tree Fruit Research and Education Fund. Tender Fruit Grape Vine Newsletter. 11(2):3-4.
3. Celetti, M, J. Gardner, and J. Cline. 2006. Black Rot and Chemical Thinning. [Online] <http://www.omafra.gov.on.ca/english/crops/hort/news/orchnews/2006/on-1206a4.htm> [15 December 2006].
4. Cline, J.A. and D. Norton. 2007. Performance and Availability of the Vineland (V.) Series Apple Rootstocks. Orchard Network 11(1): 3-6.
5. Celetti, M, J. Gardner, and J. Cline. 2006. Black Rot and Chemical Thinning. Orchard Network 10(3): 6-7.
6. Gardner, J., M. Celetti, and J. Cline. 2006. Fruit Mummification – a Puzzling and Costly Problem. Orchard Network 10(2): 4-5.
7. Robinson, T., L. Anderson, W. Autio, B. Barritt, J. Cline, W. Cowgill, R. Crassweller, C. Embree, E. Garcia, G. Greene, C. Hampson, K. Kosola, M. Parker, R. Perry, T. Roper, and M. Warmund. 2006. A Multi-location comparison of Geneva® 16, Geneva® 41 and M.9 Apple Rootstocks in North-America. The Compact Fruit Tree 39(2):22-23.
8. Autio, W.R. T.L. Robinson, T., B. Barritt, J. Cline, R. Crassweller, C. Embree, E. Garcia, E.E. Hoover, R.S. Johnson, K. Kosola, M. Parker, J. Masabni, R. Perry, G.L. Reighard, S.D. Seeley, and M. Warmund. 2006. Comparison of several dwarf rootstocks with Fuji and McIntosh as scion cultivars: 1999 Nc-140 semi-dwarf apple rootstock trials. The Compact Fruit Tree 39(2):24-27.
9. Autio, W.R. T.L. Robinson, T., B. Barritt, J. Cline, R. Crassweller, C. Embree, E. Garcia, G.M. Greene, E.E. Hoover, R.S. Johnson, K. Kosola, M. Parker, J. Masabni, R. Perry, G.L. Reighard, S.D. Seeley, and M. Warmund. 2006. Comparison of several dwarf rootstocks with Fuji and McIntosh as scion cultivars: 1999 Nc-140 dwarf apple rootstock trials. The Compact Fruit Tree 39(2):24-27.
10. Cline, J.A. 2006. Apogee® – A New Plant Bioregulator for Apples. Ontario Ministry of Agriculture Food, and Rural Affairs. Agdex 24/211. Order No. 06-045. <http://www.omafra.gov.on.ca/english/crops/facts/06-045.htm> [August 2006]
11. Autio, W.R., T.L. Robinson, B.H. Barritt, J.A. Cline, R.M. Crassweller, C.G. Embree, M.E. Garcia, E.E. Hoover, R.S. Johnson, K. Kosola, J. Masabni, M.L. Parker, R.L. Perry, G.L. Reighard, S.D. Seeley, and M. Warmund. 2006. Comparison of Several Semidwarf Rootstocks with Fuji and McIntosh as Scion Cultivars: 1999 NC-140 Semidwarf Apple Rootstock Trials. Report to the International Fruit Tree Association.
12. Autio, W.R., T.L. Robinson, B.H. Barritt, J.A. Cline, R.M. Crassweller, C.G. Embree, M.E. Garcia, E.E. Hoover, R.S. Johnson, K. Kosola, J. Masabni, M.L. Parker, R.L. Perry, G.L. Reighard, S.D. Seeley, and M. Warmund. 2006. ultivars: 1999 NC-140 Dwarf Apple Rootstock Trials. Report to the International Fruit Tree Association.
13. Cline, J.A. 2006. Vegetative Growth Control in Apples. HortMatters 6(8): 13-14.
14. Cline, J.A. 2005 (ed.) Tree and Small Fruit Open House Research Guide. June 23, 2005. Simcoe Experiment Station.

15. Cline, J.A. and J. Gardner. 2005. Commercial Production of Honeycrisp Apples in Ontario. Ontario Ministry of Agriculture & Food. Agdex 211/32. Order No. 05-047
16. Cline, J.A. 2005. Apogee® – A New Growth Control Agent for Apple Growers. Orchard Network 9(2): 5-7.
17. Cline, J.A, R. Gray, and I. Nichols. 2005. Extreme Cold Temperatures Over the Past Winter Likely to Cause Winter Injury to Apple Trees. Orchard Network 9(2): 9-11.
18. Cline, J.A. 2005. Apogee® – A New Growth Control Compound Receives Canadian Registration. Orchard Network 9(2): 1-4.
19. Gardner, J. and J.A. Cline. 2005. Ten Common Misconceptions about Thinning Apples Chemically Orchard Network 9(2): 4-6.
20. Cline, J.A. 2005. Commercial Production of Honeycrisp Apples in Ontario. Ontario Ministry of Agriculture & Food. Agdex 211/32. Order No. 05-047.
21. Cline, J.A. and D. Norton. 2004. Performance of Sweet and Tart Cherry Rootstocks.. HortMatters 4(6): 8-10.
22. Cline, J.A. and D. Norton. 2004. Sweet and Tart Cherry Rootstocks for Ontario. Tender Fruit Grape Vine Newsletter. March/April 2004 8(4):10-14.
23. Coneva, E. and J.A. Cline. 2004. Blossom Thinning Peaches to Improve Fruit Quality. Tender Fruit Grape Vine Newsletter. March/April 2004 8(4):4-6.
24. Cline, J.A. and D. Norton. 2003. Columnar peach trees grown using high-density orchard systems. Fruit and Vegetable Magazine 59 (3): 16-17.
25. Cline, J.A. 2003. The importance of thinning apples chemically. Orchard Network 7(2): 4-6.
26. Cline, J. A., M. Byl, and L. Hainstock. 2003. Rootstock Performance in Ontario: III. Apple Rootstock. Orchard Network 7(1) 3-5.
27. Cline, J.A. , N. Miles, W. Lay, R. Guarnaccia, and D. Norton. 2003. Rootstock Performance in Ontario: II. Rootstocks for Peaches and Nectarines. Tender Fruit Grape Vine Newsletter. March/April 2003 7(4):7-9.
28. Cline, J.A., N. Miles, W. Lay, R. Guarnaccia, and D. Norton. 2003. Rootstock Performance in Ontario: I. Rootstocks for Sweet and Tart Cherries. Tender Fruit Grape Vine Newsletter. January/February 2003 7(3): 8-9.
29. Cline, J. A., R. Guarnaccia, and D. Norton. 2002. Peaches respond to ReTain. Tender Fruit Grape Vine Newsletter. 7(2): 3-4.
30. Cline, J.A. 2002. Honeycrisp Leaf Complex. Orchard Network 6(4) xx-xx.
31. Hainstock, L. and J. A. Cline. 2002. Cultivar Sensitivity to Spring Frosts. Orchard Network 6(2) 5-7.
32. Cline, J.A. 2002. The Importance of Thinning Apples Chemically. Canadian Fruit and Vegetable Magazine, 58: 22-23.
33. Cline, J.A. and K. Carter. 2002. Autumn and Winter Temperature Effects on Pome Fruit Yield. Orchard Network Newsletter 6(1):12-13.
34. Cline, J. 2002. Monthly ReTain Report - July 8, 2002. Valent Bioscience Fax/Email/Web Report 2 p.
35. Cline, J. 2002. Monthly ReTain Report - August 20, 2002. Valent Bioscience Fax/Email/Web Report 2 p.
36. Cline, J. 2002. Monthly ReTain Report - September 3, 2002. Valent Bioscience Fax/Email/Web Report 2 p.

4.2 Continuing Education - Scientific Meetings

1. International Society for Horticulture Science, International Horticultural Conference, 12-17 Aug. 2002, Toronto, Canada.
2. International Apple Fruit Growth and Abscission Conference. 8-11 August, 2002, Orangeville, Ontario, Canada.

3. 28 February, 2002. Growing Gala Apples in Ontario. Horticultural Crops Conference, Hamilton, Ontario.

4.3 Presentations/participation at Grower Meetings (Career Total = 55)

1. April 10, 2006. Using Apogee - A Tool for Apple Producers. OMAF/ Northumberland – Durham Spring Apple Information Day [50 growers]
2. Cline, J.A and P. Schwallier, 2006. Optimizing return bloom in tree fruit species. Intensive Workshop on Plant Growth Regulators, International Tree Fruit Association, Hershey Pennsylvania, 26 February 2006 (Invited)
3. Cline J.A and D. Norton, 2006. Apogee – A New Plant Bioregulator for Apples. 15-16 February, 2006. Ontario Fruit and Vegetable Conference, Brock University, Ontario **(Invited)**.
4. Taheri, A., J. Cline, J. Subramanian, and K.P. Pauls. 2006. An Alternative Method to Thin Peaches. 15-16 February, 2006. Ontario Fruit and Vegetable Conference, Brock University, Ontario (Poster)
5. Coneva, E. and J.A. Cline. 2006. Ethrel Delays Blossoming, Reduces Fruit Set, and Increases Fruit Size of ‘Baby Gold 5’ Peaches. 15-16 February, 2006. Ontario Fruit and Vegetable Conference, Brock University, Ontario (Poster)
6. Cline, J.A. 2005. Protected Production Technologies. Art Mitchell International Cherry Symposium, 19-21 January 2005. Traverse City, Michigan, USA **(Invited)**.
7. Cline, J.A. 2005. Protective Covers to Prevent Sweet Cherry Cracking: A Worldwide Review. International Orchard Show, 17-18 January, 2005. Traverse City, Michigan, USA. **(Invited)**.
8. G. Lang, F. Kappel, R. Andersen, J. Cline, G. Greene, K. Kosola, R. Perry, T. Robinson, and S. Seeley. 2005. Mid-trial report of the NC-140 regional sour cherry rootstock trial (1998) in North America. International Cherry Symposium, Bursa, Turkey. June 6-10, 2005.
9. Kappel, F. R. Andersen, J. Cline, G. Greene, G. Lang, K. Kosola, R. Perry, T. Robinson, and S. Seeley. 2005. 186 Performance of the NC-140 Regional Sweet Cherry Rootstock Trial (1998) in North America. International Cherry Symposium, Bursa, Turkey. June 6-10, 2005.
10. Cline, J. 2005. Plant Bioregulators used in Tree Fruit Production. Norfolk Fruit Growers Association, Spring Annual Meeting. March 23, 2005, Horticultural Experiment Station, Simcoe.
11. Cline, J.A. 2005. Advances in Plant Bioregulators for Apples. 16-17 February, 2005. Ontario Fruit and Vegetable Conference, Brock University, Ontario **(Invited)**.
12. Coneva, E. and J.A. Cline. 2005. Surfactants Applied as Blossom Thinners Reduce Fruit Set and Increase Fruit Size and Quality of ‘Harrow Diamond’ Peaches. 16-17 February, 2005. Ontario Fruit and Vegetable Conference, Brock University, Ontario **(Invited)**.
13. Cline, J.A. 2005. Research and Rain-Induced Cracking of Sweet Cherries. 16-17 February, 2005. Ontario Fruit and Vegetable Conference, Brock University, Ontario **(Invited)**.
14. November 23, 2005. Using Apogee - A Tool for Apple Producers. Essex County Associated Growers. 54th Annual Convention. Leamington, Ontario.
15. Cline, J.A. 2005. Chemical Thinning Apples. Northumberland – Durham Apple Study Group Meeting, Wilmont Orchard. June 8, 2005.
16. Coneva, E., and J. A. Cline. 2004. Effect of Surfactants Applied as Blossom Thinners on Fruit Set and Fruit Size of ‘Harrow Diamond’ Peaches. Great Lakes Fruit Workers Conference, Nov 10-12, Guelph, Ontario.
17. Cline, J.A. 2004. Managing and handling new apple cultivars: Gala, Ambrosia, and Honeycrisp. East Central Fruit and Vegetable Association 94th Annual Meeting, Dec 14, 2004. Port Hope.

18. Cline, J.A. 2004. 2004 Pomology Research on Tender Fruit in Vineland. December 7, 2004. Niagara Peninsula Fruit and Vegetable Growers Association. St. Catharines.
19. Coneva, E., and J.A. Cline. 2004. Alternate Methods for Thinning Peaches for Quality Fruit (*invited*). 18-19 February, 2004. Ontario Fruit and Vegetable Conference, Brock University, Ontario.
20. Cline, J.A. 2003. Moisture Management for Tree Fruit Crops (invited). 18-19 February, 2003. Ontario Fruit and Vegetable Conference, Brock University, Ontario.
21. November 20, 2002. Water Management in Tree Fruits. Essex County Associated Growers. 52nd Annual Convention. Leamington, Ontario.
22. Cline, J. A. 2002. Producing Gala Apples in Ontario - A Panel Discussion. Horticultural Crops Conference, Hamilton, Ontario. Proceedings for the Ontario Horticultural Crops Conference, February 28th, 2002.

4.4 Grower Field Days / Station Tours

<u>Date</u>	<u>Audience</u>	<u>Topic</u>	<u>No. Attending</u>
May 15, 2007	Fruit Growers (from Southern Ontario)	Spring Apple Orchard Meeting – Simcoe (in conjunction with OMAFRA)	37
May 11, 2007	West Niagara Christian Home School Group	Tour of the gardens, lab, greenhouse - Vineland	40
August 26, 2006	Public, Growers, Industry, Politicians	Participated in the Vineland Research Station Open House – 100 Year Centenary Celebration	Estimate of 1,000
August 23, 2006	OMAFRA Crop Technology Staff	Tour of the Simcoe Research Station	Estimate 40
May 3, 2006	Growers	Peach Pruning Demonstration – Simcoe Research Station	25
Sept 31, 2005	OMAF Crop Technology Staff	Tour of Simcoe Research Station	25
August 28, 2005	Chinese Researcher Delegation	Tour of Simcoe Research Station	6
August 2, 2005	Japanese Researchers	Tour of Vineland Tree Fruit Research and Sharing of Possible Areas of Collaboration	8
June 23, 2005	Fruit Growers	Tree Fruit and Small Fruit Open House	135
June 16, 2005	Consultants	Soil quality day	40

August 25, 2004	Fruit Growers and Industry Reps	Peach, Pear and Plum Twilight Tour, University of Guelph, Vineland	75
July 16, 2003	Fruit Growers and Industry Reps	Apricot and Cherry Twilight Tour, University of Guelph, Vineland	50
August 7, 2003	Fruit Growers and Industry Reps	Irrigation, Fertigation, and Orchard Tour, University of Guelph, Simcoe	35
August 28, 2002	Fruit Growers and Industry Reps	Tree Fruit Research at the University of Guelph, Vineland	70
August 26, 2002	Fruit Growers and Industry Reps	Advanced IPM and Apple Orchard Research, University of Guelph, Simcoe	85

4.5 Media Interviews/Reports

August 3, 2002	St. Catharines Standard	Experts to relay latest on tree-fruit research.
Sept 3, 2002	Ontario Farmer	p. 27. Wild mustard emerging as enemy of soil nematodes. Peaches are being grown at higher densities with higher yields at the Vineland research Station.
Sept 2002	Niagara Farmers' Monthly	Fruit tree research focus of twilight meeting and orchard tour
Dec 2002	The Grower	Alternate Bearing of Apple Trees - Benefits of Plant Growth Regulators
December 3, 2002	Ontario Farmer	Tree fruit irrigation pays as part of establishing orchards.
August 2003	Niagara Farmers' Monthly	Speakers suggest resurrection of apricot industry
July 2003	Research Summer 2003 (UoG Publication)	Slow and steady. New growing methods could mean better fruit and a healthier environment.
Sept 2003	The Weather Network	The Effect of Adverse Weather on Apple Growing in Simcoe
Oct 2003	The Weather Network	Hail Cannons for Control Hail in Orchards
Winter 2004	Ontario Produce Farmer 5(1)6-7	Looking at the benefits of trickle irrigation (Murray Tong)
July 10, 2004	St. Catharines Standard	Fruits of their labours - The Vineland Research Station has been a vital force...

Fall 2004	Country Guide x:xx-xx	Peach trees that reach for the sky
Nov 2004	The Grower 2004 54(11) 18-19	Researchers explore upright and columnar peach tree varieties
May 2005	Ontario Farmer May 10: B3	Apple growth regulator solves two problems
June 2005	The Grower 55(6):29-30	Apogee® - A new growth control compound receives Canadian registration
July 2005	Fruit and Vegetable Magazine 61(6):3-5.	Simcoe Ag Research Station Opens Doors to Growers
August 8, 2005	Simcoe Reformer	It's a peach of an idea.
August 19, 2005	Wire service – UoG written by Peter Zorzella (edited by J. Cline)	Peaches are ready.
November 29, 2005	Ontario Farmer p. B9	Apple growers learn to use new growth regulator.
Feb 2006.	The Fruit Grower News. P 1,4	Worldwide, the scramble toward sweet cherries is on.
May 31 2006	At Guelph 50 (11): 12-13	A Century of Growth: Vineland Turns 100. Written by Andrew Vowles.