

CURRICULUM VITAE

NAME

Newman, Steven E

ADDRESS

Horticulture and Landscape Architecture
College of Agricultural Sciences

Shepardson
Shepardson

PHONE

(970) 491-7118

EDUCATION

- 1985 Ph D, TEXAS A&M UNIVERSITY
1981 MS, UNIVERSITY OF NEBRASKA
1977 BS, MONTANA STATE UNIVERSITY

OTHER POSITIONS

- 2007 - Present Professor, Floriculture, Colorado State University.
1997 - 2007 Associate Professor, Floriculture, Colorado State University.
1994 - 1997 Assistant Professor, Floriculture, Colorado State University.
1990 - 1994 Associate Professor, Nursery and Greenhouse, Mississippi State University.
1985 - 1990 Assistant Professor, Nursery and Greenhouse, Mississippi State University.
1978 - 1981 Greenhouse Manager, Horticulture Department - University of Nebraska.
(2011 - 2013) Director
(2011 - June 30, 2013) Department Chairperson

PUBLISHED WORKS

Books

- (2009). *The Commercial Greenhouse, 3rd edition*. Cengage Publishing Albany, New York.
(2009). *The Commercial Greenhouse, 3rd edition*. Cengage Publishing Albany, New York.

Refereed Journal Articles

- (2008). Monitoring mortality of Pythiumzoospores in chlorinated water using oxidationreduction potential. *Plant Health Progress* doi: 10.1094/PHP-2008-0922-01-RS.

- (2006). Performance of selected herbaceous annual ornamentals grown at decreasing levels of irrigation. *Hortscience*, 41, 1481-1486.
- (2004). Organic fertilization of fresh market sweet basil in a greenhouse. *Hort technology*, 14, 235-239.
- (2001). Role of ethylene and 1-MCP in flower development and petal abscission in zonal geraniums. *Hortscience*, 36, 1305-1309.
- (1997). Growth and nutrition of geraniums grown in media developed from components of waste tires. *HortScience*, 32(4), 674-676.
- (1997). Photoperiod of poinsettia stock plants influences rooting of cuttings. *HortTechnology*, 7(1), 41-43.
- (1995). Root-zone medium influences growth of poinsettias treated with paclobutrazol-impregnated spikes and drenches. *HortScience*, 30, 1403-1405.
- (1995). Stimulation of renewal and axillary bud formation of container-grown hybrid tea roses. *J Environ Hort*, 13, 47-50.
- (1994). Row Cover Management of Field-Grown *Cercis canadensis* and *Lagerstroemia (indica x fauriei)* 'Muskogee'. *J Environ Hort*, 12(2), 71-75.
- (1993). Chemical modification of *Photinia x fraseri* plant size and lateral branching. *J Environ Hort*, 11, 5-Jan.
- (1992). Growth, flowering, and transpiration of snapdragon subjected to low night air temperature and elevated root-zone temperature. *HortScience*, 27, 796-798.
- (1992). Leaflet surfaces of blackspot resistant and susceptible roses and their reactions to fungal invasion. *HortScience*, 27, 133-135.
- (1991). Increasing library skills of horticulture students. *HortTechnology*, 1, 126-128.
- (1989). Influence of uniconazole on *Hibiscus rosa-sinensis* L. *HortScience*, 24, 1041.
- (1988). Effects of irrigation frequency and shading on water relations and plant growth of container-grown *Euonymus japonica* Thunb. *Aureo-marginata*. *J Environ Hort*, 6, 96-100.
- (1988). High rootzone temperatures, mycorrhizal fungi, water relations, and hydraulic root conductivity on selected container grown woody plants. *J Amer Soc Hort Sci*, 113, 138-146.
- (1988). Influence of field bed position, ground surface color, mycorrhizal fungi, and high root-zone temperature in woody plant container production. *Plant and Soil*, 112, 29-35.
- (1987). Effects of soil temperature on water relations of endomycorrhizal nursery crops. *J Environ Hort*, 5, 93-96.

Non-Refereed Journal Articles

- (2009). Fall-Planted Bulbs and Corms. *Colorado State University Extension Fact Sheet no 7 410*.
- (2005). Effects of long-term recycled waste water irrigation on visual quality and ion concentrations of ponderosa pine. *J Environ Hort*, 23(4), 185-189.
- (2004). Evaluation of *Trichoderma harzianum* strains to control crown and root rot of greenhouse fresh market tomatoes. *Acta Hort*, 635, 79-85.

- (2004). The effect of the *Trichoderma harzianum* strains on the growth of tomato seedlings. *Acta Hort*, 635, 131-135.
- (1999). A naturally occurring compound for controlling powdery mildew of greenhouse roses. *HortScience*, 34, 686-689.
- (1999). Programación de Picos. *Clima, Fisiología y Producción de Cultivos Bajo Invernadero*, R Lee editor, Universidad de Bogotá Jorge Tadeo Lozano, Centro de Investigaciones y Asesorías Agro industriales, 35-39.
- (1986). A chamber for maintaining supra optimal root zone stress temperatures. *HortScience*, 21, 1444-1445.
- Newman, S. E., Sutton, R. K., Lowry, S. R. (1981). Seed-Germination of *Ostrya-Virginiana* (Mill) K Koch Using Combinations of Scarification, Stratification, and Ga₃ Treatments to Overcome Dormancy. *Hortscience*, 16(3), 409-409. <Go to ISI>://A1981LX34700075
- (2009). *Edible flowers*. Colorado State University Extension, Fact Sheet no 7 237.
- (2009). *Landscaping for Energy Conservation*. Colorado State University Extension Fact Sheet 7 225.
- (2009). *Poinsettias--home care and culture*. Colorado State University Extension, Fact Sheet no 7 412.
- (2000). *Houseplant tips*. Colorado State University Cooperative Extension, Bulletin 569A.
- (1998). *Pollution prevention in Colorado commercial greenhouses*. Colorado State University Cooperative Extension, Bulletin XCM-206 1999 (ASHS Extension Materials Awards Commercial Ornamentals, Floriculture, and Turf).

Book Review

- (2013). *Chapter 19: Ultraviolet Light and Photocatalytic Disinfection Processes*. Waterborne Pathogens: Biology, Epidemiology, Detection and Water Decontamination Technology, APS Press.
- (2011). *Floriculture* (vol. 2, pp. 756–768). Nriagu JO (ed) Encyclopedia of Environmental Health, Burlington: Elsevier.
- (1999). *Efectos del Clima en la Fisiología de la Floración* (pp. 27-33). Clima, Fisiología y Producción de Cultivos Bajo Invernadero, R Lee editor, Universidad de Bogotá Jorge Tadeo Lozano, Centro de Investigaciones y Asesorías Agro industriales.

PERFORMANCES, EXHIBITS, PRODUCTIONS (Visual/Performing Arts):

- 2012 - December 2014, Sustainable Greenhouse Management and Production Training for Colorado - a nine DVD set of training videos with supporting materials.
- 2012, Online training course for Sustainable Greenhouse Management and Production for Colorado.
- Offered as a MOOC (massively open online course) through the eXtension Moodle online course site at <http://campus.extension.org>

PAPERS PRESENTED/SYMPOSIA/INVITED LECTURES/PROFESSIONAL MEETINGS/WORKSHOPS

- August 6, 2015, "Evaluation of Conventional and OMRI-certified Organic Fertilizers, and Their Effect on Soil pH", 112th Annual Meeting of the American Society for Horticultural Science, American Society for

Horticulture Science, (Presenter) Hazlett, M. J.

August 6, 2015, "Evaluation of Oxidant Biocide Formulation for Soil Sanitation", 112th Annual Meeting of the American Society for Horticultural Science, American Society for Horticulture Science, (Presenter) Newman, D. H.

August 6, 2015, "Evaluation of Oxidant Disinfectant's ability to prime plant defenses for systemic acquired resistance in light red kidney beans inoculated with common bean bacterial wilt", 112th Annual Meeting of the American Society for Horticultural Science, American Society for Horticulture Science, (Presenter) Sandoval, V. M.

August 5, 2015, "Detection and semi-quantification of a bacterial wilt disease in kidney beans (*Phaseolus vulgaris*) leaf tissue using DNA analysis", 112th Annual Meeting of the American Society for Horticultural Science, American Society for Horticulture Science, (Presenter) Ramsey, C.

2014, "Evaluation of risk factors affecting transmission and persistence of *Salmonella* spp. in hydroponically grown tomatoes", IAFAP 2014 Annual Meeting, International Association for Food Protection, (Presenter) Coleman, S., peer-reviewed/refereed.

July 2014, "Evaluation of Season Extension Row Covers in Higher Elevation (5000+) Growing Areas", 111th Annual Meeting of the American Society for Horticultural Science, American Society for Horticulture Science, (Presenter) Henson, Y.

July 2014, "Increased Chlorophyll Efficiency of Dark- adapted *Camellia* Foliage when Treated with Chlorine Dioxide or Hydrogen Peroxide and Blended with an Ionic Surfactant", 111th Annual Meeting of the American Society for Horticultural Science, American Society for Horticulture Science, (Presenter) Freebury, P.

July 2014, "Induced Systemic Acquired Resistance after applying two oxidant based disinfectants to kidney beans (*Phaseolus vulgaris*) seedlings followed by a bacterial wilt inoculation", 111th Annual Meeting of the American Society for Horticultural Science, American Society for Horticulture Science, (Presenter) Sandoval, V.

July 2014, "Potting medium microbial respiration rates and sporicidal efficacy responses of three", 111th Annual Meeting of the American Society for Horticultural Science, American Society for Horticulture Science, (Presenter) Newman, S. E.

July 2014, "Two legumes after application of magnetized, chelated iron fertilizer application", 111th Annual Meeting of the American Society for Horticultural Science, American Society for Horticulture Science.

June 2014, "Fostering University-Community College Collaboration for a Horticulture Online Degree Completion Program", Learning Runs Through It, North American Colleges and Teachers of Agriculture, (Presenter) Newman, S. E., peer-reviewed/refereed.

July 25, 2013, "Live Lecture Capture with Whiteboard Annotation and iTunesU Delivery for Asynchronous Learning", 110th American Society for Horticultural Science Annual Meeting, American Society for Horticultural Sciences, (Presenter) Newman, S. E.

July 25, 2013, "The Effects of Chlorine Dioxide on SAR Plant Immunity Responses to a Bacterial Wilt Infection", 110th American Society for Horticultural Science Annual Meeting, American Society for Horticultural Sciences, (Presenter) Ramsey, C., Palm Desert, CA.

July 23, 2013, "Daily Fluctuations of Chlorophyll Efficiency of Dark-adapted *Rhododendron* and Kidney Beans", 110th American Society for Horticultural Science Annual Meeting, American Society for Horticultural Sciences, (Presenter) Hammack, H.

July 23, 2013, "Increased Chlorophyll Efficiency of Dark- adapted Camellia Foliage when Treated with Chlorine Dioxide or Hydrogen Peroxide and Blended with an Ionic Surfactant", 110th American Society for Horticultural Science Annual Meeting, American Society for Horticultural Sciences, (Presenter) Newman, D. H.

2012, "Colorado State University Professional Development Institute - Faculty Perspectives on Migration to the Blackboard Learn Platform 9 January 2012".

2012, "Greenhouse Design Considerations - Colorado Agriculture: Big and Small Conference 16 February 2012".

2012, "Reducing your electric power consumption using variable frequency drive controllers on your exhaust fans - ProGreen EXPO 10 February 2012".

2012, "Residential Greenhouse Design Considerations - CSU HORT 180 Creating Urban Landscapes 6 March 2012".

2012, "Seed Germination: Success with Seed - Boulder County Master Gardeners 5 March 2012".

2010, "ACE Annual Meeting - Social Media in Agriculture Extension".

2010, "CSUE Annual Forum - Social Media Panel".

2010, "ProGreen EXPO - CSU Research Updates".

2010, "ProGreen EXPO - Understanding Injectors".

OTHER ACTIVITIES/ACCOMPLISHMENTS – PUBLICATIONS/SCHOLARLY RECORD

(December 16, 2015). Conference Attendance, "New Mexico Sustainable Agriculture Conference," New Mexico State University, Los Lunas, NM, United States.

(September 28, 2015 - September 29, 2015). Workshop, "One Health Food Systems Workshop," CSU One Health Group, Fort Collins, CO, United States.

(August 4, 2015 - August 7, 2015). Professional Meeting, "ASHS Annual Meeting," American Society for Horticultural Science, New Orleans, LA, United States.

(July 12, 2015 - July 15, 2015). Conference Attendance, "Cultivate '15," AmericanHort, Columbus, OH, United States.

(July 6, 2015 - July 9, 2015). Professional Meeting, "Western SARE Professional Development Coordinators Meeting," Western Sustainable Agriculture, Research and Education, Durango, CO, United States.

(May 21, 2015). Workshop, "Rural Wealth/Community Capital Creation," CSU One Health Group, Fort Collins, co, United States.

- (March 18, 2015 - March 20, 2015). Conference Attendance, "Ag Innovation Summit," Colorado State University College of Agricultural Sciences, Fort Collins, CO, United States.
- (March 11, 2015 - March 14, 2015). Professional Meeting, "Student Career Days," National Association of Landscape Professionals, Raleigh, NC, United States.
- (October 7, 2014 - October 8, 2014). "Colorado County Agriculture Agents Professional Development," Colorado County Agriculture Agents, Durango, CO, United States.
- (September 2, 2014 - September 4, 2014). Conference Attendance, "Afghan Cashmere - The New Frontier," Task Force for Business and Stability Operations - US Department of Defense, Dubais, United Arab Emirates.
- (July 29, 2014 - July 30, 2014). Professional Meeting, "ASHS Annual Meeting," American Society for Horticultural Science, Orlando, FL, United States.
- (July 15, 2014 - July 18, 2014). Professional Meeting, "Western SARE Professional Development Coordinators Meeting," Western Sustainable Agriculture, Research and Education, Fairbanks, AK, United States.
- (June 25, 2014 - June 28, 2014). Conference Attendance, "Learning Runs Through It," North American Colleges and Teachers of Agriculture, Bozeman, MT, United States.
- (June 23, 2014 - June 24, 2014). Conference Attendance, "APLU-APS Teaching Summit," American Public and Land Grant Universities, Bozeman, MT, United States.
- (July 22, 2013 - July 25, 2013). Professional Meeting, "American Society of Horticultural Science Annual Meeting," American Society of Horticultural Science, Palm Desert, CA, United States.
- (July 9, 2013 - July 12, 2013). Professional Meeting, "Western SARE PDI State Coordinators Meeting," Western SARE, Davis, CA, United States. Approximate Number of Hours Spent Per Year: 3.
- (January 16, 2013). "Echo 360 - Lecture Capture," CSU TILT, Fort Collins, CO, United States. Approximate Number of Hours Spent Per Year: 1.
- (January 16, 2013). Seminar, "Google Liquid Galaxy at CSU Morgan Library: An engaging and immersive new resource for teaching," CSU TILT, Fort Collins, CO, United States. Number of Credit Hours: 1.
- (January 16, 2013). Seminar, "Using Plagiarism Detection Software at CSU: iThenticate," CSU TILT, Fort Collins, CO, United States. Approximate Number of Hours Spent Per Year: 1.
- (January 15, 2013). Seminar, "Adding Something "Spatial" to Course Redesigns across Campus," CSU TILT, Fort Collins, CO, United States. Approximate Number of Hours Spent Per Year: 1.
- (January 15, 2013). Seminar, "How to Make a Whiteboard as Smart as You," CSU TILT, Fort Collins, CO, United States. Approximate Number of Hours Spent Per Year: 1.
- (January 15, 2013). Seminar, "Options for Creating Effective Online Lectures," CSU TILT, Fort Collins, CO, United States. Approximate Number of Hours Spent Per Year: 1.
- (January 14, 2013). Seminar, "Effective Online Discussion Facilitation," CSU TILT, Fort Collins, CO, United States. Approximate Number of Hours Spent Per Year: 1.

TEACHING:

<u>Year</u>	<u>Semester</u>	<u>Course No./Title</u>	<u>Cr. Hrs.</u>	<u>Enrollment</u>
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2016	Summer	HORT412 - Floriculture Crops	4	2
2016	Summer	HORT412 - Floriculture Crops	4	0
2016	Summer	HORT310 - Greenhouse Management	4	3
2016	Summer	HORT310 - Greenhouse Management	4	1
2016	Spring	HORT412 - Floriculture Crops	4	4
2016	Spring	HORT486A - Floriculture Practicum	2	12
2016	Spring	HORT310 - Greenhouse Management	4	60
2016	Spring	HORT310 - Greenhouse Management	4	7
2016	Spring	HORT310 - Greenhouse Management - Lab	0	29
2016	Spring	HORT310 - Greenhouse Management - Lab	0	31
2016	Spring	HORT495 - Independent Study	18	5
2016	Spring	HORT487 - Internship	18	6
2016	Spring	HORT698 - Research	18	15
2016	Spring	HORT384 - Supervised College Teaching	5	3
2015	Fall	HORT412 - Floriculture Crops	4	3
2015	Fall	HORT486A - Floriculture Practicum	2	13
2015	Fall	HORT310 - Greenhouse Management	4	9
2015	Fall	HORT487 - Internship	18	25
2015	Fall	HORT486B - Practicum-General	6	1
2015	Fall	HORT698 - Research	18	18
2015	Summer	HORT412 - Floriculture Crops	4	4
2015	Summer	HORT412 - Floriculture Crops	4	2
2015	Summer	HORT310 - Greenhouse Management	4	11
2015	Summer	HORT310 - Greenhouse Management	4	0
2015	Summer	HORT487 - Internship	18	24
2015	Summer	HORT698 - Research	18	7
2015	Summer	HORT699 - Thesis	18	1
2015	Spring	HORT412 - Floriculture Crops	4	4
2015	Spring	HORT486A - Floriculture Practicum	2	13
2015	Spring	HORT310 - Greenhouse Management	4	48
2015	Spring	HORT310 - Greenhouse Management	4	8
2015	Spring	HORT310 - Greenhouse Management - Lab	0	20
2015	Spring	HORT310 - Greenhouse Management - Lab	0	28
2015	Spring	HORT588 - Supervised Extension Practices	18	1
2014	Fall	HORT412 - Floriculture Crops	4	19
2014	Fall	HORT412 - Floriculture Crops	4	3
2014	Fall	HORT412 - Floriculture Crops - Recitation	0	19
2014	Fall	HORT486A - Floriculture Practicum	2	12
2014	Fall	HORT310 - Greenhouse Management	4	8
2014	Fall	HORT495 - Independent Study	18	3
2014	Fall	HORT487 - Internship	18	30
2014	Fall	HORT384 - Supervised College Teaching	5	4
2014	Summer	HORT412 - Floriculture Crops	4	7
2014	Summer	HORT310 - Greenhouse Management	4	19
2014	Summer	HORT495 - Independent Study	18	2
2014	Summer	HORT487 - Internship	18	30
2014	Spring	AGRI547 - Delivery of Cooperative Extension Programs	4	6
2014	Spring	AGRI547 - Delivery of Cooperative Extension Programs - Recitation	0	6
2014	Spring	HORT412 - Floriculture Crops	4	1
2014	Spring	HORT486A - Floriculture Practicum	2	8
2014	Spring	HORT310 - Greenhouse Management	4	40
2014	Spring	HORT310 - Greenhouse Management	4	6
2014	Spring	HORT310 - Greenhouse Management - Lab	0	21
2014	Spring	HORT310 - Greenhouse Management - Lab	0	19

2014	Spring	HORT495 - Independent Study	18	8
2014	Spring	HORT487 - Internship	18	3
2014	Spring	HORT486B - Practicum-General	6	2
2014	Spring	HORT698 - Research	18	10
2014	Spring	HORT384 - Supervised College Teaching	5	3
2013	Fall	HORT412 - Floriculture Crops	4	4
2013	Fall	HORT486A - Floriculture Practicum	2	5
2013	Fall	HORT486a - Floriculture Practicum	2	5
2013	Fall	HORT310 - Greenhouse Management	4	5
2013	Fall	HORT495 - Independent Study	18	3
2013	Fall	HORT487 - Internship	18	36
2013	Summer	HORT412 - Floriculture Crops	4	4
2013	Summer	HORT310 - Greenhouse Management	4	8
2013	Summer	HORT495 - Independent Study	18	2
2013	Summer	HORT487 - Internship	18	35
2013	Summer	HORT698 - Research	18	2
2013	Summer	HORT699 - Thesis	18	2
2013	Spring	AGRI547 - Delivery of Cooperative Extension Programs	4	8
2013	Spring	AGRI547 - Delivery of Cooperative Extension Programs - Recitation	0	8
2013	Spring	HORT412 - Floriculture Crops	4	2
2013	Spring	HORT486A - Floriculture Practicum	2	10
2013	Spring	HORT310 - Greenhouse Management	4	43
2013	Spring	HORT310 - Greenhouse Management	4	7
2013	Spring	HORT310 - Greenhouse Management - Lab	0	25
2013	Spring	HORT310 - Greenhouse Management - Lab	0	18
2013	Spring	HORT698 - Research	18	13
2013	Spring	HORT384 - Supervised College Teaching	5	3
2013	Spring	HORT699 - Thesis	18	4
2012	Fall	HORT412 - Floriculture Crops	4	18
2012	Fall	HORT412 - Floriculture Crops	4	0
2012	Fall	HORT412 - Floriculture Crops - Recitation	0	18
2012	Fall	HORT486A - Floriculture Practicum	2	13
2012	Fall	HORT310 - Greenhouse Management	4	5
2012	Fall	HORT495 - Independent Study	18	5
2012	Fall	HORT487 - Internship	18	44
2012	Fall	HORT384 - Supervised College Teaching	5	3
2012	Summer	HORT412 - Floriculture Crops	4	3
2012	Summer	HORT310 - Greenhouse Management	4	1
2012	Summer	HORT487 - Internship	18	42
2012	Spring	HORT412 - Floriculture Crops	4	1
2012	Spring	HORT486A - Floriculture Practicum	2	7
2012	Spring	HORT310 - Greenhouse Management	4	49
2012	Spring	HORT310 - Greenhouse Management	4	5
2012	Spring	HORT310 - Greenhouse Management - Lab	0	27
2012	Spring	HORT310 - Greenhouse Management - Lab	0	22
2012	Spring	HORT495 - Independent Study	18	3
2012	Spring	HORT487 - Internship	18	3
2012	Spring	HORT698 - Research	18	14
2012	Spring	HORT384 - Supervised College Teaching	5	5
2012	Spring	HORT699 - Thesis	18	3
2011	Fall	HORT486A - Floriculture Practicum	2	11
2011	Fall	HORT310 - Greenhouse Management	4	4
2011	Fall	HORT495 - Independent Study	18	7
2011	Fall	HORT487 - Internship	18	60

2011	Fall	HORT698 - Research	18	15
2011	Summer	HORT495 - Independent Study	18	1
2011	Summer	HORT487 - Internship	18	57
2011	Spring	HORT799 - Dissertation	18	6
2011	Spring	HORT486A - Floriculture Practicum	2	6
2011	Spring	HORT310 - Greenhouse Management	4	52
2011	Spring	HORT310 - Greenhouse Management - Lab	0	28
2011	Spring	HORT310 - Greenhouse Management - Lab	0	24
2011	Spring	HORT495 - Independent Study	18	2
2011	Spring	HORT487 - Internship	18	2
2011	Spring	HORT486B - Practicum-General	6	1
2010	Fall	HORT412 - Floriculture Crops	4	19
2010	Fall	HORT412 - Floriculture Crops	4	3
2010	Fall	HORT412 - Floriculture Crops - Recitation	0	19
2010	Fall	HORT310 - Greenhouse Management	4	3
2010	Fall	HORT487 - Internship	18	40
2010	Summer	HORT412 - Floriculture Crops	4	0
2010	Summer	HORT310 - Greenhouse Management	4	7
2010	Summer	HORT487 - Internship	18	42
2010	Spring	HORT412 - Floriculture Crops	4	2
2010	Spring	HORT310 - Greenhouse Management	4	36
2010	Spring	HORT310 - Greenhouse Management	4	8
2010	Spring	HORT310 - Greenhouse Management - Lab	0	16
2010	Spring	HORT310 - Greenhouse Management - Lab	0	20
2010	Spring	HORT487 - Internship	18	3
2009	Fall	HORT412 - Floriculture Crops	4	0
2009	Fall	HORT310 - Greenhouse Management	4	3
2009	Fall	HORT495 - Independent Study	18	9
2009	Fall	HORT487 - Internship	18	34
2009	Summer	HORT310 - Greenhouse Management	4	2
2009	Spring	HORT412 - Floriculture Crops	4	2
2009	Spring	HORT310 - Greenhouse Management	4	29
2009	Spring	HORT310 - Greenhouse Management	4	4
2009	Spring	HORT310 - Greenhouse Management - Lab	0	16
2009	Spring	HORT310 - Greenhouse Management - Lab	0	13
2009	Spring	HORT495 - Independent Study	18	4
2009	Spring	HORT487 - Internship	18	4
2009	Spring	HORT699 - Thesis	18	3
2008	Fall	HORT412 - Floriculture Crops	4	15
2008	Fall	HORT412 - Floriculture Crops -Recitation	0	15
2008	Fall	HORT310 - Greenhouse Management	4	4
2008	Fall	HORT487 - Internship	18	35
2008	Fall	HORT698 - Research	18	12
2008	Fall	HORT384 - Supervised College Teaching	5	7
2008	Summer	HORT310 - Greenhouse Management	4	2
2008	Summer	HORT487 - Internship	18	35
2008	Spring	HORT310 - Greenhouse Management	4	30
2008	Spring	HORT310 - Greenhouse Management	4	5
2008	Spring	HORT310 - Greenhouse Management-Lab	0	8
2008	Spring	HORT310 - Greenhouse Management-Lab	0	22
2008	Spring	HORT487 - Internship	18	1
2008	Spring	HORT486 - Practicum	6	6
2008	Spring	HORT698 - Research	18	12
2008	Spring	HORT384 - Supervised College Teaching	5	9
2007	Fall	HORT381 - Foliage Production and Interiorscape Design	3	1

2007	Fall	HORT496 - Group Study	18	0
2007	Fall	HORT487 - Internship	18	48
2007	Fall	AGRI192 - Orientation to Agricultural Systems	1	11
2007	Fall	HORT698 - Research	18	7
2007	Fall	HORT699 - Thesis	18	4

Guest Lectures:

<u>Year</u>	<u>Semester</u>	<u>Course No./Title</u>	<u># of Guest Lectures</u>	<u>Delivery Mode</u>
2015	Spring	AGRI547 - Development of Cooperative Extension Programs	1	Face to Face
2015	Spring	HORT792 - Horticulture Seminar	1	Face to Face
2015	Spring	BSPM451 - Integrated Pest Management	1	Face to Face

Evidence of Teaching Effectiveness (Annual Input)

Other Evidence

Fall 2013, HORT 495–Independent Study
Ryan Jaebker - Research Project

Summer 2013, HORT 495–Independent Study
Cheri Cornn

Summer 2013, HORT 698–Research
Fatima Fadhel Al Houti

Summer 2013, HORT 699–Thesis
Heather Hammack

EXTENSION/ENGAGEMENT ACTIVITIES/ACCOMPLISHMENTS

Display table

Northern Colorado Disaster Assistance Center. Loveland, CO. Number of times program was made: 3. Total number of participants: 30. Percent Responsible: 100%. 2013.

Online questions

eXtension Ask an Expert. Number of times program was made: 100. Percent Responsible: 100%. 2012.

Presentation

Effortless Hydroponic Greenhouse Production. Adult, Los Lunas, NM. Number of times program was made: 1. Total number of participants: 50. Percent Responsible: 100%. 2015.

Potting media and compost blends. Denver, CO. Number of times program was made: 1. Total number of participants: 35. Percent Responsible: 100%. 2013.

Assessment of disinfectants for control of Phytophthora ramorum. Denver, CO. Number of times program was made: 1. Total number of participants: 75. Percent Responsible: 100%. 2012.

Workshop

Extension Technology Transfer for Pakistani Agriculture Research and Extension Faculty. Islamabad, Pakistan. Number of times program was made: 1. Total number of participants: 30. Percent Responsible:

33%. 2012.

LiCor Photosynthesis Measurement Instrument Training. Fort Collins, CO. Number of times program was made: 1. Total number of participants: 15. Percent Responsible: 25%. 2012.

COMMITTEES

CSU Chemical Safety Committee, (2014 - Present).

University Grievance Panel, (July 1, 2013 - Present).

University Disciplinary Appeals Panel, (September 2010 - Present).

CSU Extension Director Advisory Panel, (2011 - 2013).

Program Area Leader for Natural Resources and the Environment, (2011 - 2013).

Program Leadership Team Co-chair, (2011 - 2013).

Executive Committee of Faculty Council, (July 1, 2011 - June 30, 2013).

Faculty Council, (July 1, 2010 - June 30, 2013).

Colorado Sustainable Agriculture, Research and Education Professional Development, (2013 - Present).

College of Agricultural Sciences Technology Committee, (2010 - Present).

Search Committee - Instructional Technologist, (May 2013).

Academic, Rank and Tenure Committee, (September 2015 - Present).

CSU/Philips Lighting Master Research and Development Agreement, (December 17, 2014 - Present).

College of Agricultural Sciences Planning Team for NWSS and DIA, (2014 - Present).

Resident Instruction Committee, (September 2013 - Present).

Resident Instruction Committee, (2000 - Present).

Horticulture Center Construction, (December 2014 - December 2015).

Asbestos and Lead Abatement at PERC, (April 2015 - August 2015).

Afghanistan Cashmere Supply Chain Project, (August 2014 - June 30, 2015).

Horticulture and Landscape Architecture Department Program Review Team, (June 2013).

Horticulture and Landscape Architecture Academic Advising Coordinator Search Committee, (May 2013).

PROFESSIONAL AFFILIATIONS AND ACTIVITIES

American Academy of Floriculture - Society of American Florists. (September 2004 - Present).

Society of American Florists. (1992 - Present).

International Society for Horticultural Science. (1985 - Present).

American Society for Horticultural Science. (1982 - Present).

Source - Colorado State University. (January 4, 2016).

Coloradoan. (January 4, 2016).

Source - Colorado State University. (December 9, 2015).

Source - Colorado State University. (December 1, 2015).

Coloradoan. (July 26, 2015).

Coloradoan. (March 19, 2015).

Reviewer, Ad Hoc Reviewer, AAAS for Maine Development Award Program. (2012 - Present).

CSU AGRIS 547 Principles of Cooperative Extension, Fort Collins, CO. (2011 - Present).

CSU Alumni Relations, Fort Collins, CO. (2011 - Present).

CSU College of Agricultural Sciences Master Teacher Lectures, Fort Collins, CO. (2011 - Present).

ProGreen EXPO, Denver, CO. (2011 - Present).

Winslow Independent Learning Center, Fort Collins, CO. (2011 - Present).

Member, American Academy of Floriculture. (2004 - Present).

Member, Society of American Florists. (1992 - Present).

Member, American Society for Horticultural Science. (1982 - Present).

Reviewer, Grant Proposal, AAAS for Maine Development Award Program. (2015).

Reviewer, Grant Proposal, Western Sustainable Agriculture Research and Education, Salt Lake City, UT. (December 2014 - January 2015).

Committee Chair, Code Committee. (2011 - 2013).

CSU Extension Director Advisory Panel. (2011 - 2013).

Member, Disciplinary Panel. (2011 - 2013).

Executive Committee of Faculty Council. (2011 - 2013).

Member, Extension Committee. (2011 - 2013).

Faculty Council. (2011 - 2013).

Program Area Leader for Natural Resources and the Environment. (2011 - 2013).

Program Leadership Team Co-chair. (2011 - 2013).

Member, Resident Instruction Committee. (2011 - 2013).

Represented Colorado Nursery and Greenhouse Association at Ag Day 2011. (2011).

Member, Small Farm Extension Specialist Search Committee. (2011).

Superintendent for FFA-CDE in Floriculture. (2011).

OTHER ACTIVITIES/ACCOMPLISHMENTS – SERVICE/OUTREACH

Interaction with Industry, American Floral Endowment, Fort Collins, CO. (February 2015 - July 2015).

Judge for Interior Plant ID and Interior Design Competition, National Association of Landscape Professionals Student Career Days, Raleigh, NC. (March 11, 2015 - March 14, 2015).

Advancement Coordinator, Boy Scouts of America - Troop 95. (2012 - December 2014).

Session Chair, Boy Scouts of America - Longs Peak Council, Cache la Poudre District. (2010 - 2012).

Boy Scouts of America - Longs Peak Council, Cache la Poudre District. (2009 - 2012).

Boy Scouts of America - Troop 95. (2008 - 2012).

Facilitator, Archdiocese of Denver, Fort Collins, CO. (June 2005 - December 2011).
