
Stefan Seiter

Department of Crop and Soil Sciences
Oregon State University
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Education: Doctor of Philosophy – Oregon State University 1997
Major: Horticulture; Minors in Natural Resources Anthropology and Forest Science; Research focus on Ecological Agriculture

Masters of Science – Oregon State University 1993
Major: Horticulture; Minor: International Agricultural Development

Vordiplom - Universität Stuttgart- Hohenheim 1990
German equivalent of a Bachelor of Science - General Agricultural Sciences; Major: Plant Production

Experience: Senior Instructor / Advisor
Oregon State University 2019 - present

- Teaching undergraduate and graduate level on-campus and Ecampus courses in Crop Sciences, Soil Sciences and Horticulture
- Developing Ecampus courses in the organic agriculture program
- Advising undergraduate Crop and Soil Science students
- Serving on department, college and university committees.

Faculty / Program Chair

Linn-Benton Community College 2003 - 2019

- Developed and taught Horticulture, Agronomy, Farm Management, and Soil Science on-campus and E-learning courses.
- Administered budgets, curriculum and review of the Horticulture and Crop Production, Profitable Small Farms programs
- Supervised instructional assistants, student workers
- Advised students in multiple programs.
- Established a diverse, organic, 2-acre market garden farm involving field plots, high tunnels, propagation greenhouse, and herb gardens.
- Served as LBCC sustainability committee chair establishing campus wide recycling and composting and the yearly Earth Day event.
- Established new programs including Fresh Food for Campus, Veterans Garden, Community Gardens, and Food Donations to LB Food Share.

Courtesy Faculty - Horticulture

Oregon State University 2004 - 2018

- Developed and taught face-to-face and online courses including “Organic Farming and Gardening”, “Floriculture and Greenhouse Systems” and “Organic Vegetable Production Systems”.
- Aligning Community College and University courses.

**Experience
continued:**

Extension Specialist / Assistant Professor – Agroecology

University of New Hampshire January 2000 - 2003

- Developed a multifaceted agroecology extension program for horticultural and agronomic crop producers and extension personnel.
- Served as State SARE Professional Development Program coordinator
- Conducted applied research collaborating with faculty and industry across multiple states in the New England region.
- Taught “Ecological Agriculture”, “Weed Management”
- Served as M.S. student advisor, supervised graduate student research
- Served on Masters and Ph.D. student program committees
- Served on Department, University and State-wide committees

Assistant Professor

Slippery Rock University – Sustainable Systems Program January to May 1999

- Taught “Soil Fertility”, “Restoration Ecology”, “Ecosystem Management”
- Supervised graduate students in the Sustainable Systems program.

Extension Associate

USDA-NRCS Soil Quality Institute/Oregon State Univ. Extension 1997-1998

- Coordinated a nationwide, two-year program to develop locally adapted soil quality assessment tools.
- Trained natural resources agency personnel and extension agents on collaborative research and extension.

Graduate Research / Teaching Assistant

Department of Horticulture, Oregon State University 1991-1997

- Conducted applied research aimed at reducing fertilizer and pesticide inputs in vegetable row crop systems. Research included studies on the effect of cover crops and reduced tillage on nitrogen cycling, suppressing of arthropod pest insects and weed management.
- Team-taught two graduate/upper division undergraduate courses: “Agriculture & Society/ Issues and Consensus” and “Agroforestry Systems: Design and Practice” through USDA Teaching Grant.
- Designed and implemented extension education events in Western Oregon on topics such as sustainable agriculture and pesticide safety for agricultural workers.

Farm Foreman

Karl Hammer Strawberry Farm, Durmersheim, Germany 1986-1987

- Conducted crop rotation planning, field preparation, crop production, pest management, and harvest activities on a 300 acre commercial farm growing fresh market strawberries, cereals, and oil seed crops.
- Supervised 250 harvest helpers from diverse cultures across Southern and Eastern Europe on 70 acres of commercial strawberry production.

Agricultural Apprentice

Aspichhof, Ottersweier, Germany 1984-1985

- Conducted orchard, vineyard, pasture, field and barn activities on a 175 acre diversified tree fruit, grape, and dairy farm.
- Supervised farm labor of residents of a long term care facility.

Professional Service:

- Original member of the American Society of Agronomy (ASA) Committee on Organic and Sustainable Agriculture (COSA)
- Reviewer for Agronomy Journal, Journal for Crop Improvement, USDA Natural Resources Conservation Service documents.

Awards/ Fellowships:

- Cooperator of the Year Award 2009 for conservation efforts on the LBCC campus - Linn Soil and Water Conservation District.
- Guelph-Wellington award of excellence for the paper “Alder increase soil microbial biomass and transfer nitrogen to sweet corn in an alley cropping system” presented at the 4th North American Agroforestry Conference, Boise, ID, July 1995
- Recipient of the International Trade and Development Graduate Fellowship for demonstrated sustained commitment to international concerns, broad vision, and leadership in cooperating with others in cross-cultural contexts (1995-1996)
- Award for a significant achievement by a young researcher in the areas of training/learning systems and methodology development: Conference of Systems Research in Agriculture & Rural Development, Montpellier, France, Nov. 1994

Grants: PI and Co-PI

- “Fueling Pathways to Rural Prosperity” ; 2009-2011; \$124,473; USDA-CSREES Rural Technology Grant (RTP)
- Multiple LBCC Instructional Technology and Foundation grants for developing Elearning courses developing teaching gardens, composting and vegetable production areas 2004-2007
- Evaluating the potential for open-pollinated field corn”. 2002-2004, \$26,107 UNH (\$157,358 total between UNH, UMaine, Cornell) USDA-CSREES/ SARE.
- “Riparian Buffer Research, Demonstration, and Education Project in the Connecticut River Watershed.” 2001-2003 \$116,249 NH Dept. of Environmental Services.
- “Survey of the Nutrient Status of Organic Vegetable Farms”. 2001-2002 \$18,000 USDA-CSREES/Sustainable Agriculture Research and Extension (SARE) Program.
- “Citizen Panels on Genetically Modified Foods.” 2001-2002, \$100,000, Nathan Cummins Foundation.
- Implementation of sustainable agriculture strategic plan. 2001-2002, \$10,000 USDA-USDA Sustainable Agriculture Research and Extension (SARE) – PDP Program.
- “Participatory Evaluation of Farmer-based Soil Quality Assessment Cards.” 1999- 2001, \$49,997, USDA-CSREES/ SARE.
- “Orchard Floor Management Practices for Improving Soil Quality and Optimizing Nitrogen Uptake.” 2000- 2002, \$130,330; USDA-CSREES/SARE.
- “Pacific Northwest Collaborative Nutrient Management Education Program.” January 2001- December 2002, \$85,000 USDA-CSREES/SARE Professional Development Program

Publications:
Selected

Scientific Journals

- Guenni O, Seiter S, Figueroa R (2008) Growth response of three *Brachiaria* species to light intensity and nitrogen supply. *Trop.Grasslands*, 42:75-87.
- Guenni O, Camacho F, Seiter S (2007) *Efectos de la intensidad lumínica sobre la anatomía foliar de tres especies del género Brachiaria y su relación con la calidad del forraje*. *Anales de Botánica Agrícola*. Vol. 14
- Seiter S, Altemose C.E., Davis M. H. (2004) *Forage Soybean Yield and Quality Responses to Plant Density and Row Distance*. *Agron. J.* 96:966-970
- Seiter S and Horwath W. R. (1999) *The fate of root and pruning nitrogen in a temperate climate alley cropping system determined by tree-injected ¹⁵N*. *Biology and Fertility of Soils*, 30:61-68.
- Seiter S, Ingham, E R, and William R D (1999) *Soil microbial dynamics in a temperate climate alley cropping system*. *Appl. Soil Ecology*, 12:139-147.
- Seiter S, William R D, Hibbs D (1999) *Crop yield and tree-leaf production in three planting patterns of temperate zone alley cropping in Oregon, USA*. *Agroforestry Systems*, 46:273-288.
- Roush M L, Hibbs D E, William R D, Cordray S, Sharrow S, Seiter S (1999) *Agroforestry: A successful model of co-learning*. *National Association of Colleges and Teachers in Agriculture Journal*, December 1999: 26-31.

Book Chapters

- Seiter S and Horwath W R (2004) *Management strategies for soil organic matter and nutrients*. Pages 269-294 in Magdoff F and Weil R (Eds), *Functions and Management of Soil Organic Matter in Agroecosystems*, CRC Press Boca Raton, FL
- Seiter S, William R D (1996) *Systems thinking and practice for alley cropping research*. In: Teng P S et al. (eds.), *Applications of systems approaches at the farm and regional level*, pages 167-176, Kluwer, Netherlands

Conference Proceedings,

- Tugel, A.J., S. Seiter, D. Friedman, J. Davis, R.P. Dick, D. McGrath, and R.R. Weil. 2001. *Locally Led Conservation Activities: Developing a Soil Quality Assessment Tool*. 529-534 pgs. In: D.E. Stott, R.H. Mohtar, and G.C. Steinhardt (eds). *Sustaining the Global Farm*, 10th International Soil Conservation Organization Meeting, West Lafayette, IN
- Seiter S, William R D (1996) *Farmers design integrated crop-tree systems*. In: Proc. 14th Intl. Symposium Sustainable Farming Systems, pages 10:34-41 Colombo, Sri Lanka.
- Seiter S, Ingham E R, Horwath W R, William R D (1995) *Increase in soil microbial biomass and transfer nitrogen to sweet corn in an alley cropping systems*. In: *Growing a Sustainable Future*, Proc. 4th North American Agroforestry Conf., p 156-158, Boise ID.

Conference Presentations: Selected

- Johns J, Seiter, S (2014) *Using College Farms to engage in experiential learning*. Association for Advancement of Sustainability in Higher Education conference, Portland OR November 2014.
- Seiter, S (2010) *Teaching green living: organic food, sustainable landscaping and environmentally responsible buildings at Linn Benton Community College*. Oregon Community Colleges Green Conference, Lane Com. College, Eugene, OR; May 2010.
- Seiter, S. and Hurley S (2008) *Growing and serving fresh food at Linn-Benton Community College*. National Conference of Sustainability in Community Colleges. Lane Com. College, Eugene, OR; March 2008.
- Seiter S, Wander M, Darby H, Gala, C, Dawson, J (2006) *The Needs of Agroecosystems Research* Organic Agriculture Roundtable ASA-SSSA-CSSA Conference, Indianapolis
- Morris T, Ping J, Durgy R, Hamilton G, Sideman E, Anderson K, Seiter S, (2006) *The Need to Monitor Soil Phosphorus and Soil Nitrate Values on Organic Vegetable Fields*. ASA-SSSA-CSSA Conference, Indianapolis.
- Morris T, Ping J, Durgy R, Hamilton G, Seiter S, Sideman E, Anderson K, (2006) *Factors Influencing the Soil Nutrient Status of Organic Vegetable Farms in Northeastern US*. 18th World Congress of Soil Science, Philadelphia, PA
- Altemose C, Davis M, Seiter S. (2003) *Maturity Group, Row Spacing, and Population affect forage soybeans*. NE Agronomy Conference, July, 2003 Burlington, VT.
- Guenni O, Seiter, S, Figueroa R (2003) *Effects of light intensity and nitrogen availability on biomass production and forage quality of three Brachiaria species*. VII International Rangeland Congress, Durban, South Africa.
- Seiter S, Kelly T (2002) *Citizen Panel on genetically modified food calls for changes in the food system*. Poster presentation, 17th Symposium of the International Farming Systems Association, Lake Buena Vista, FL
- Seiter S, Altemos, C, Davis, M. (2001) *Forage Soybean in New Hampshire dairy crop rotations*. Poster presentation, ASA-CSSA-SSSA meetings, Charlotte, NC.
- Seiter S, Friedman D, Davis J R, Dick R, McGrath D, Tugel A, Weil R (1998) *A farmer conservationists participatory approach to develop locally adapted soil quality cards*. Oral presentation, ASA-CSSA-SSSA meetings, Baltimore, MD.
- Dick R, Moldenke A, McGrath D, Seiter S, Seybold C (1998) *Oregon's interdisciplinary soil quality project: Quantitative and qualitative approaches*. Poster presentation, ASA-CSSA-SSSA meetings, Baltimore, MD.
- Seiter S, William R D (1996) *Environment and agricultural resource management*. Forum Session, 14th International Symposium on Sustainable Farming Systems, Colombo, Sri Lanka.
- Seiter S, Horwath W R (1996) *Nitrogen transfer and cycling in an alley cropping system with alder and sweet corn*. Oral presentation, ASA-CSSA-SSSA meeting, Indianapolis, IN.
- William R D, Seiter S, Knott C (1996) *Integration of trees in annual cropping systems*. Poster presentation, ASA-CSSA-SSSA meetings, Indianapolis, IN.
- Seiter S, William R D (1995) *Systems thinking and practice for alley cropping research*. Poster presentation, International Symposium for Systems Approaches in Agricultural Development, IRRI, Los Baños, Philippines.

Courses Taught:

UNDERGRADUATE COURSES

- Bioenergy Feedstocks
- Crops in our Environment (OSU equivalent: CROP 200)
- Floriculture and Greenhouse Mgmt Systems - HORT 351
- Greenhouse Management
- Irrigation Systems Design
- Landscape Plant Materials I (OSU equivalent:HORT 226)
- Landscape Plant Materials II (OSU equivalent: HORT 228)
- Nutrient Cycling in Agroecosystems - SOIL 316
- Organic Farming and Gardening - HORT 260
- Pest Management
- Pesticide Safety
- Plant Propagation
- Plant Science
- Soils: Sustainable Ecosystems (OSU equivalent: CSS 205)
- Soil Nutrients and Plant Fertilization
- Soil and Man
- Sustainable Agriculture and Food Systems
- Turf Management

GRADUATE AND SLASH COURSES

- Agriculture & Society/ Issues and Consensus
- Agroecology
- Agroforestry Systems: Design and Practice
- Ecological Agriculture
- Ecosystem Management
- Organic Vegetable Production Systems
- Restoration Ecology
- Soil Fertility Consideration
- Weed Ecology and Management