Dr. Barbara Fair - Curriculum Vitae

Assistant Professor and Landscape Horticulture Extension Specialist

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Current duties and activities:

Currently I have a 70% extension and 30% teaching position. Fall semester 2007 I taught HS 011, Plant Identification for the Agricultural Institute. I will continue to teach this course every fall, at least in the near future.

My primary focus is landscape extension. I will be assisting the industry, county extension agents, community and county leaders and colleagues.

I also will conduct research primarily in soil and water use issues.

Education:

- BS in Forest Science 1980, The Pennsylvania State University, University Park, PA
- MFR in Urban Forest Management 1994, The Pennsylvania State University, University Park, PA
- PhD in Landscape Horticulture 2005, The Ohio State University, Columbus, OH

Additional relevant Positions held:

- Graduate Assistant, 2000-2005 The Ohio State University- Columbus, OH
- Regional Urban Forester, 1994- 2000 Ohio Department of Natural Resources, Division of Forestry- Columbus, OH
- Research Assistant, 1992-1994 The Pennsylvania State University- University Park, PA
- City Forester, 1989- 1992 York City Recreation and Parks Department- York, PA

Affiliations and awards:

1. International Society of Arboriculture Certified Arborist and professional member
2. Member of the Perennial Plant Association
3. Member national honor society, Phi Sigma Pi
4. Member of the agriculture honor society, Gamma Sigma Delta
5. Member of the honorary horticulture society, Pi Alpha Xi
6. Recipient of the Graduate Teaching Associate of the Year award for The Ohio State University, 2001-2002 school years (nominated by the Department of Horticulture and Crop Science)
7. Recipient of the Teaching Assistant of the Year award for the Departments of Horticulture & Crop Science and Plant Pathology for 2000-2001 and 2001-2002 school years (nominated and selected by the students of these departments)

Publications:

Fair, B.A. 2005 Growth Response and Adaptability of Acer rubrum and Acer xfreemanii Cultivars to Soil Compaction. PhD Dissertation, The Ohio State University, Columbus, OH

Fair, B.A. 1994. Effectiveness of Community Forestry Grants in Pennsylvania. M.F.R. Thesis, The Pennsylvania State University, University Park, PA.

Still, D., B. A. Fair and H. Gerhold. 1996. Community Forestry Grants in Pennsylvania: How effective are they. J. of Forestry. January Vol. 94 (1): 26-30.

Fair, B.A. 1998. To Prune or Not to Prune… The Ohio Woodland Journal Vol. 5 (4): 6-9.

H. So, C. Shin, H. Kim, J. Yoo, H.Choi, M. Hur, B. Fair, E. Kong, and Y. Hyun, et al. 2002. Ten Million trees: Making a Livable City.

Courses taught at NC State::

Plant Idenitification:

HS 011- Study of ornamental plants including their idenitification, cultural requirements, growth habits, ornamental features, use in the landscape and common insect and disease problems.

Course taught at Eastern Kentucky University:

Ornamental Plant Materials Courses:

OHO 262- Study of deciduous shade trees and narrow leaf evergreens including their identification, growth habits, ornamental features, environmental adaptation, utilization, and management in the landscape.

OHO 261- Study of deciduous flowering trees, flowering shrubs, vines, and broadleaf evergreens including their biological identification, growth habits, ornamental features, environmental adaptation, utilization, and management in the landscape.

Landscape Operations:

OHO 370- Management of labor, estimating and bidding along with basic maintenance of trees, shrubs and herbaceous plants in the landscape operation.

Nursery Production Technology:

OHO 371- Production and wholesale marketing techniques of woody and herbaceous plants. Topics covered include site selection, growing procedures and shipping. Students work in the university nursery and develop business record keeping systems with the use of microcomputers.

Vegetable Production:

OHO 386- Vegetable growth and development, growing from seed, managing soils, planting, mulching, controlling pests, harvesting, handling, marketing and storing of most vegetable crops.

Introduction to American Agriculture:

AGR 110- Addressing the agriculture industry in the United States from significant past events to current status. Delving into the complexities of laws and regulations and their influence on the farmer's ability to produce for U.S. and world markets.

Agricultural Measurements:

AGR 210- Measuring and computing areas of land, volumes and capacities of buildings and feed structures, spray mixtures, fertilizer needs, parts per million, feed rations and other measurement situations, encountered on the farm.

Principles of Soil:

AGR 215- Soil origin, classification and properties, soil conservation, soil microorganisms, organic matter, soil water, soil minerals, lime and commercial fertilizers, soil erosion and soil management.

Soil Fertility:

AGR 416- Various amendments including lime, organic and inorganic fertilizers, and conditioners are studied and evaluated for their effect on the physical, chemical and biological properties of soils and subsequent plant yield. Plant factors such as photosynthesis, chemistry and nutrient function in plants are critical component of study.

Independent Studies:

OHO 392- Comprehensive studies of common landscape construction materials and their use in current landscape applications. Class will include laboratory exercises involving the construction of such components as retaining walls, water features and decks.