

University of Florida

Environmental
Horticulture**Edward
F.
Gilman****Professor, Urban Trees & Landscape Plants**

University of Florida Environmental Horticulture Dept.
100 Mehrhof Hall, PO Box 110675
Gainesville FL 32611-0675

Phone: (352) 262-9165**E-mail:** egilman@ufl.edu**Web sites:**

[Landscape Plants](#) | [Trees & Hurricanes](#) | [Trees & Powerlines](#)

Professional Background**Education**

- Ph.D. in Plant Pathology (Rutgers Univ.), 1980
- M.S. in Plant Pathology (Rutgers Univ.), 1978
- B.Sci. in Forestry (Rutgers Univ.), 1975

Ed Gilman has a 45% research: 50% extension teaching: 5% classroom teaching assignment. The new online arboriculture class is available to all world-wide. He works with arborists, consultants, landscape contractors, growers, urban foresters, planners, landscape architects and others engaged in tree selection, growing, planting and management issues. Research includes tree pruning, anchorage, roots, irrigation, and fertilization. Our team provides service to the industry and to citizens in Florida by incorporating this and other research-based information into educational programs, demonstration sites, publications, and Web site for our target audiences.

Research

Details of some current research interests include the following: Research is directed toward tree and shrub production practices and their impact on the rate of establishment in the landscape. Production practices include pruning, irrigation, fertilizer, root pruning to improve root systems, and non-traditional containers. Major focus includes root morphology in response to nursery production and water stress after planting, and evaluation and modeling of the factors that influence tree anchorage in the landscape. The impact of landscape tree pruning on tree biology and response has become an important part of my research and education programs since the late 1990s.

Selected Research Publications

[View all research abstracts](#)

Books

Gilman, E. F., B. Kempf, N. Matheny, and J. Clark. 2013. Structural pruning: a guide for the green industry. Urban Tree Foundation. Visalia, CA.

Gilman, E. F. and R. J. Black. 2013. Your Florida guide to shrubs, second edition. University

Press of Florida, Gainesville, FL. 116 pp.

Gilman, E. F. 2012. Illustrated guide to pruning, third edition. Delmar publishers, Albany, NY | 476 pp., color.

Black, R. J. and E. F. Gilman, 2004. Landscape plants for the gulf and south Atlantic coasts. University Press of Florida, Gainesville, Florida. 230 pp.

Gilman, E. F. and S. Lilly. 2002. Best management practices: Tree pruning. International Society of Arboriculture, Champaign, IL. 35 pp.

Gilman, E. F. 1997. Trees for urban and suburban landscapes. Delmar Publishers, Albany, NY. 662 pp.

Gilman, E. F. 1996. Florida Plant Guide. Betrock Publishers, Davie, FL. 163 pp.

Black, R. J. and E. F. Gilman. 1997. Your Florida guide to bedding plants. University Press of Florida, Gainesville, FL. 71 pp



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1549 W.M. Fifield Hall, Gainesville, FL 32611-0670
Phone: (352) 392-1831; Fax (352) 392-3870