

Dewayne L. Ingram

Academic Background:

- December, 1977 Ph.D. in Plant and Soil Science; University of Tennessee, Knoxville.
Major emphasis: ornamental horticulture, plant physiology
- June, 1974 B.S. in Agriculture; University of Tennessee, Knoxville.
Major emphasis: ornamental horticulture and landscape design.

Professional Experience:

- 1990 – present Chair & Professor, Department of Horticulture, University of Kentucky.
- 1987 - 1990 Professor, Ornamental Horticulture Department, Institute of Food and
Agricultural Science, University of Florida, Gainesville.
- 1986 (2 months) Short-term assignment to Washington, D.C. to work on a Special Project with
the Extension Service / USDA.
- 1977 - 1987 Assistant and Associate Professor, Ornamental Horticulture Department,
Center for Community and Rural Development, Institute of Food and
Agricultural Science, University of Florida, Gainesville.

Selected Professional Leadership and Service Experiences:

International

Member, Southern Rural Development Center team conducting a workshop on "Economic Development and the Food System in the U.S. Caribbean"; held in the Virgin Islands, 1991.

Chair, Organizing Committee, Workshop on "Alternative Agricultural Enterprises for the Caribbean and Pacific Basins", sponsored by CSRS/USDA Special Grants in Tropical and Subtropical Agriculture, Ocho Rios, Jamaica, 1988.

National

Chair, Program Committee, American Society for Horticultural Science, 1996 Annual Conference.

Member, CSRS/USDA Comprehensive Review team for the Virginia Tech University Horticulture Department, 1993.

Member, Editorial Board for *HortTechnology*, a new professional periodical published by the American Society for Horticultural Science, 1990 to 2001.

Member, National Extension Initiative Task Force on "Alternative Agricultural Opportunities", 1986-1988.

Chair, American Society for Horticultural Science, Nursery Crops Working Group, 1988-89.

Coordinator, Symposium on "Extension Delivery Systems Around the World" at the International Horticultural Congress in Davis, CA, 1986.

Chair, American Society for Horticultural Science, Commercial Extension Horticulture Working

Group, 1985-86; chair-elect, 1984-85; advisory committee, 1983-84.

Co-coordinator, American Society for Horticulture Science Workshop on "Time Management for the Extension Professional" at the 1985 Annual Meeting in Virginia.

Regional

President, Southern Region - American Society for Horticultural Science, 2000-2001.

Member, Southern Association of Agricultural Scientist Board, 2001.

Administrative Advisor, Southern Region Extension and Research Activity - Information Exchange Group, SERA-IEG-27, Nursery Crops and Landscape Systems, 1997-present.

Panel Member, Workshop on Accountability in Cooperative Extension, Southern Region - American Society for Horticulture Science, 1997.

Chair, Southern Region Advisory Committee for Horticulture (SRAC-6), 1994-95.

Chair, Southern Region - American Society for Horticultural Science Administrators Working Group, 1994-95.

State

Member, Search and Screening Committee, Dean, UK College of Agriculture, 2000.

Member, Kentucky Department of Agriculture's Marketing and Value-Added Advisory Committee for Horticulture, 1998 - 2000.

Member, Kentucky Department of Agriculture's Marketing Cooperative Oversight Committee, 1999 to 2001.

Member, Bernheim Arboretum and Research Forest's Horticultural Advisory Committee, 1996 - present.

Chair, UK College of Agriculture Task Force on Electronic Distribution of Information, 1992-94.

Member, UK College of Agriculture, Dean's "Special Detail on Programs for People of Eastern Kentucky" to identify new College programs to benefit the people in East Kentucky, 1994.

Established the Kentucky Horticulture Council (representing 13 industry associations). Serve as the Council's advisor, 1991-present.

Member, UK Forums Committee for Department Chairs, appointed by the Chancellor to develop a series of department chairs' forums, 1993-94.

Member, Statewide Program Team, 4-H Strategic Planning Conference, 1993.

Member, Kentucky Farm Bureau Horticulture Advisory Committee, 1992 - present.

Helped establish the Friends of the UK Arboretum and currently serve on the Friends' Board and the Arboretum Advisory Committee, 1992-present.

Professional Honors:

Fellow, American Society for Horticultural Science, 2001.

Distinguished Achievement Award for Nursery Crop - American Society for Horticultural Science, 1990.

Outstanding Junior Faculty Award for the Institute of Food and Agricultural Science, University of Florida, presented by Gamma Sigma Delta, 1990.

Nursery Extension Award, presented by the American Association of Nurserymen, 1988.
Porter Henegar Award for Outstanding Horticultural Research, presented by the Southern Nursery Association, 1986.

Blue Ribbon Award for Extension Publication, Cold Protection for Nursery Crops, American Society for Horticultural Science, 1987.

Young Extension Educator Award, Southern Region - American Society for Horticultural Science, 1985.

Undergraduate and Graduate Instruction:

Participating Instructor, HOR 100, Introduction to Horticulture Professions, 1992 - present.
(Lecture on Horticulture in a Land Grant University)

Co-instructor, HOR 386, Horticultural Production Systems, 1994 and 1995.

Instructor, ORH 3815, Introduction to Residential Landscape Horticulture, 1980 and 1981.

Served on 9 M.S. student committees and 6 Ph.D. student committees, supervised 1 M.S. student and 3 Ph.D. students. 1980-90.

Publications:

Books Edited

Ingram, D.L. (Editor). 1988. Alternative Agricultural Enterprises for the Caribbean and Pacific Basins. Published by Caribbean and Pacific Basin Advisory Groups through the Special Grants Program in Tropical and Subtropical Agriculture, CSRS/USDA. Library of Congress Card Catalog No. 89-80263, 175 pp.

Refereed Publications (selected from 43 career total)

Ingram, D.L. 1981. Characterization of temperature fluctuations and plant growth in white poly bags and conventional black containers. HortScience 16:762-763.

Ingram, D.L. 1985. Modeling high temperature and exposure time on *Pittosporum tobira* root cell membranes. J. Amer. Soc. Hort. Sci. 110:470-473.

Ingram, D.L., D. Webb and H. Biggs. 1986. Response of excised *Illicium parviflorum* roots to supra-optimal temperatures. Plant and Soil 96:69-76.

Yeager, T.H. and D.L. Ingram. 1986. Influence of shoot pruning time on the removal of accumulated N, P and K and subsequent growth of *Ligustrum sinense* Lour. 'Variegatum'. Commun. Soil Sci. Plt. Anal. 17:173-182.

- Ingram, D.L., D. Zimet, S. Still and L. Kuhns. 1989. Production of pre-finished northern woody plants in Florida. *J. Environ. Hort.* 7:65-68.
- Martin*, C.A. and D.L. Ingram. 1989. Supraoptimal root-zone temperature alters growth and photosynthesis of holly and elm. *J. Arbor.* 15:272-276.
- Ingram, D.L., B. Basford, W. Foster* and C. Ramcharan*. 1990. Electronically controlled root heating tubes. *HortScience* 25:693-694.
- Ruter*, J.M. and D.L. Ingram. 1990. ¹⁴C-labeled photosynthate partitioning in *Ilex crenata* 'Rotundifolia' supraoptimal root-zone temperatures. *J. Amer. Soc. Hort. Sci.* 115:1008-1013.
- Foster*, W.J., D.L. Ingram and T.A. Nell. 1991. Photosynthesis and root respiration in *Ilex crenata* 'Rotundifolia' in response to supraoptimal root-zone temperatures. *J. Amer. Soc. Hort. Sci.* 26:535-537.
- Martin*, C.A. and D.L. Ingram. 1991. Evaluation of thermal properties and effect of irrigation on temperature dynamics in container media. *J. Environ. Hort.* 9(1):24-28.
- Martin*, C.A. and D.L. Ingram. 1991. Root growth of southern magnolia following exposure to high root-zone temperatures. *HortScience* 26:370-371.
- Martin*, C.A., D.L. Ingram, and T.A. Nell. 1991. Growth and photosynthesis of *Magnolia grandiflora* 'St. Mary' in response to constant and increased container volume. *Amer. Soc. Hort. Sci.* 116:439-445.
- Martin*, C.A., D.L. Ingram and M.A. Jenks. 1991. Response of southern magnolia to supraoptimal root-zone temperatures. *J. Therm. Biol.* 16:281-285.
- Ruter*, J.M. and D.L. Ingram. 1991. Germination and morphology of *Sophora secundiflora* seeds following scarification. *HortScience* 26:256-257.
- Ruter*, J.M. and D.L. Ingram. 1991. Root respiration characteristics of 'Rotundifolia' holly under supraoptimal temperatures. *J. Amer. Soc. Hort. Sci.* 116:560-564.
- Ramcharan*, C., D.L. Ingram, T.A. Nell and J.E. Barrett. 1991. Flucuations in leaf carbon assimilation of banana and ixora as affected by root-zone temperature and growth environment. *HortScience* 26:1200-1202.
- Martin*, C.A. and D.L. Ingram. 1992. Simulation modeling of temperatures in root container media. *J. Amer. Soc. Hort. Sci.* 117:571-577.
- Ruter*, J.M. and D.L. Ingram. 1992. High root-zone temperatures influence RuBISCO activity and pigment accumulation in leaves of 'Rotundifolia' holly. *J. Amer. Soc. Hort. Sci.* 117:154-157.
- Martin*, C.A. and D.L. Ingram. 1993. Container dimension affects container medium temperature patterns. *HortScience* 28(1):18-19.

Research Bulletins and Other Reports

Ingram, D. L. (editor). Prospectus for Kentucky's Horticultural Industry. 1992. In cooperation with the Kentucky Horticulture Council. 15 pp. Revised and expanded in 1999. 26 pp.

Other Research Publications (selected from 90 career total)

Ingram, D.L. and J.T. Midcap. 1980. Production system effects on growth response and cost of *Rhododendron simsii* 'Formosa'. Proc. Southern Nursery Association Research Conf. 25:13-18.

Ingram, D.L. and T.H. Yeager. 1987. Uses for computers in plant propagation. Int. Plant Prop. Proc. 37:550-553.

Estes, E. A. and D. L. Ingram. 1987. A survey perspective on alternative farming programs in the South. In Proceedings: Alternative Farming Opportunities for the South. Southern Rural Development Center, Mississippi State, MS.

Martin, C.A. and D.L. Ingram. 1989. Rooting response of *Magnolia grandiflora* 'St. Mary' as a function of cutting harvest date and exogenously-applied hormones. Proc. Intl. Plant Prop. Soc. 39:361-367.

Yeager, T.H., D.L. Ingram and C.A. Larsen. 1989. Nitrate nitrogen and potassium release from surface-applied and growth medium-incorporated Osmocote and Escote. Proc. Southern Nursery Association Research Conf. 34:54-56.

Ruter, J.M. and D.L. Ingram. 1990. Effect of scarification treatments on seed germination of *Sophora secundiflora*. Proc. Intern. Plant Prop. Soc. 40:423-426.

Ingram, D.L. 1991. Alternative enterprises for microstate agriculture. In Economic Development and the Food System in the U.S. Caribbean. Southern Rural Development Center Publication No. 147. p. 65-71.

Ingram, D. L., B. Roach, and M. Witt. 1996. Kentucky horticulture survey and database. Proc. Southern Nursery Association Research Conf. 41:201.

Ingram, D. L., B. Roach, and J. Buxton. 1997. Yard waste compost as a container substrate component. Proc. Southern Nursery Association Research Conf. 42:175-176

Ingram, D. L., B. Roach, and M. Klahr. 1998. Effects of controlled-release fertilizers on growth and nutrient content of field-grown nursery crops. Proc. Southern Nursery Association Research Conf. 43:124-127.

Dunwell, W., D. Wolfe, R. McNeil, S. Bale and D. Ingram. 2001. Irrigation and pruning influence hydrangea dried cut flower production. Proc. SNA Research Conf. 46:160-164.

Extension Publications (selected from 50 career total)

Ingram, D.L. and R. Henley. 1988. Growth media for container-grown plants. Bulletin 241. 13 pp.

Ingram, D.L. 1982. Basic principles of landscape design. Circular 536. 25 pp.

Ingram, D.L. and R.J. Henley. 1983. Development and use of a nursery laboratory. Circular 556. 11 pp.

Ingram, D.L. and T. Yeager. 1983. Propagation of landscape plants. Circular 579. 15 pp.

Yeager, T. H. and D.L. Ingram. 1983. Layout and design considerations for a wholesale container nursery. Circular 558. 14 pp.

Ingram, D.L. and W. Currey. 1984. Weed control - container nursery. Circular 678. 7pp.

Ingram, D.L., T.H. Yeager and R.L. Hummel. 1984. Cold protection for nursery crops. Bulletin 201. 7 pp.

Ingram, D.L. 1986. Small farms extension programs in southern states. Publication from Extension Service / USDA Special Project. 26 pp.

Ingram, D.L. 1987. Selected educational resource materials for small farm operators. Publication from Extension Service / USDA Special Project. 63 pp.

Ingram, D.L., D.J. Zimet and M. H. Breeze. 1991. The family farm - Planning for success. Part One: Assessing the farm/family resource base. Southern Rural Development Center Publication, 20 pp.

Breeze, M.H., D.L. Ingram, and D.J. Zimet. 1991. The family farm - Planning for success. Part Two: Analyzing the feasibility of agricultural enterprises. Southern Rural Development Center Publication, 52 pp.

Ingram, D. L., R. W. Henley, and T.H. Yeager. 1990. Diagnostic and monitoring procedures for nursery crops. Circular 556. 11 pp.

Computer Software with Documentation Circulars (selected from 9 career total)

Ingram, D.L. and T.H. Yeager. 1985. A microcomputer program for nutrient deficiency symptom identification in woody plants. Circular 704. 11 pp.

Ingram, D.L. and T.H. Yeager. 1985. Calculating plant rooting hormone formulations with a microcomputer. Circular 690. 15 pp.

Ingram, D.L. 1986. Landscape plant propagation information retrieval system. (A 500- plant database). Circular 743. 8 pp.

Video Tapes (selected from 10 career total)

Ingram, D.L. 1985-86. Landscape plant propagation: Produced by J. Thorne.
Unit I. General principles. Unit II. Propagation by cuttings.
Unit III. Propagation by seed. Unit IV. Propagation by division.
Unit V. Budding and grafting. (Co-authored by T. Crocker)

Ingram, D.L., D.J. Zimet and M.H. Breeze. 1991. The family farm - Planning for success. Part One: Assessing the farm/family resource base. Part Two: Analyzing the feasibility of agricultural enterprises. Both produced by M. Breeze.

Ingram, D.L. and G. Quinn. 1992. Commonwealth Arboretum - An Update.

Industry Articles (selected from 45 career total)

Ingram, D.L., J.T. Midcap, D.L. Gunter. 1981. How to start a wholesale nursery. American Nurseryman 27(8):12, 3-34.

Yeager, T.H. and D.L. Ingram. 1984. Workable Designs: Efficient use of land and resources results in productive nurseries. Florida Nurseryman 31(7):24-27.

Ingram, D.L. 1987. Nursery products. In: Alternative farming opportunities for the South; Proceedings of a regional conference sponsored by the Southern Rural Development Center. p 189-193.

Ingram, D.L. 1999. UK Nursery/Landscape Fund: A Review of 1998. Kentucky Nursery News. 29(1):13,29. (annual update 1993-98).

Grants, Contracts and Other Support:

Heat stress of tropical fruits and ornamental plants in the Virgin Islands. USDA Special Grants, Section 406, Tropical Agriculture. \$99,800. 1984-87.

Administrative strategies of Cooperative Extension Service in various states in assisting small acreage farmers. 1986. Extension Service/USDA Special Grant. \$23,300.

Analyzing the feasibility of agricultural enterprises. 1988. Development of two video tapes and workbooks. Southern Rural Development Center. \$13,500.

New Crop Opportunities Center, Phases I - VII. USDA Special Grants. Totaling over \$4M. 2000-2006. (D. Van Sanford - Co-PI)

Vegetable production/marketing system education for Kentucky's family farms highly dependent on tobacco income. Special Needs Grant. USDA-CSREES. 1999-2001. \$80,000. (Co-PI's B. Rowell and T. Jones)

Urban forestry education through the Commonwealth Arboretum. Urban & Community Forestry Grants, KY Division of Forestry. 1992-2000. Totaling more than \$60,000.

Fundraising:

Directed a comprehensive campaign to establish the UK Nursery/Landscape Fund in 1993 and a family of endowments was established in 1999 to support this program, including more than \$250,000 in gifts, pledges, and matches.

The Scott Trust was established to fund student work grants for students to work with Horticulture faculty.

Professional Presentations:

International professional meetings - 7 presentations.

National or regional professional meetings - more than 70 presentations.

Forums for state leaders and decision makers in Kentucky - more than 40 presentations.

Extension workshops, lectures and seminars - more than 350 presentations.