

HARVEY A. HOLT

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Education

B.S.	Oklahoma State University	1965	Forest Management
M.S.	Oregon State University	1967	Forest Management
Ph.D.	Oregon State University	1970	Forest Ecology

Work Experience

Purdue University, Department of Forestry and Natural Resources January, 1975 - Present
Associate Professor and Professor

Present responsibilities include teaching, research, and extension. FNR 444 Arboricultural Practices (4 credits) has been taught annually in the fall semester since 1983. The course emphasizes individual tree care practices in the urban environment. Topics include climbing, pruning, planting, technical rigging, cabling, bracing, lightning protection, tree care equipment, fertilization, aerial rescue, and tree preservation. Part of the class grade is based on personal initiative to encourage students to attend other events such as TCI EXPO, Indiana Urban Forest Council, Indiana Arborist Association, and International Society of Arboriculture. Student evaluations consistently rate the course greater than 4.0 on a 5.0 scale in motivation, explanation, assignments, overall best course, and overall best instructor. A second course (FNR 445 Urban Forestry Topics) was begun in the spring semester of 2003. Course content focuses on tree management rather than individual tree care. This includes storm preparedness for cities, tree preservation in construction, street tree inventory and management plans. A study abroad course to explore stewardship of urban natural resources in the United Kingdom is being offered May, 2007.

Research activities focus on trees in the urban environment and industrial vegetation management. Industrial vegetation management includes rights-of-way (electric, railroad, and highway), total vegetation control, and forestry. The research program has included tree growth retardants, pruning effects, planting treatments, herbicides, biopesticides, and application technology. Over the years, cooperative projects have been established within and outside Indiana.

The extension program emphasizes professional education and provides a natural means of presenting research results to users. Important clientele groups include right-of-way managers and contractors, commercial pesticide applicators in forests and rights-of-way, commercial and municipal arborists, state and federal agency personnel, consulting and industrial foresters, and landowner and grower organizations. Conferences and seminars have been the primary delivery vehicle; video production has also been important. The Weed Control Seminar for the National Railroad Contractors Association has been conducted since 1979. An Arborist Certification Conference to prepare arborists for the ISA Certified Arborist exam has been conducted annually since the inception of certification. We have always maintained an active role in program development for the Indiana Arborist Association. The Midwest Urban Tree Care Forum, a mix of extension and teaching now in its fifth year, brings college students from surrounding states to Chicago for a weekend with the urban forestry profession.

University of Arkansas, Department of Horticulture and Forestry
Assistant Professor

September, 1970 - December, 1974

Responsibilities included research and teaching. Research emphasized forest vegetation management and evaluation of new application techniques. This included right-of-way brush control, weed control in pine and walnut plantations, tree injection, and chemical site preparation. Teaching responsibilities included Fundamentals of Forestry (3 credits), Dendrology (4 credits), and advising pre-forestry students.

Professional Organizations - Current Memberships

International Society of Arboriculture

- Board of Directors, 1993 – Present
- Executive Committee, 2001 - 2002
- Student Activities Committee, Chair, 2005 - Present

Indiana Arborist Association

- Local arrangements coordinator, 1989 - Present
- ISA Chapter Representative, 1993 - 2008

Arboriculture Research and Education Academy

Municipal Arborists and Urban Foresters Society

Utility Arborist Association

Society of American Foresters

- Urban Forest Working Group member
- Indiana Chapter, Chair, 1979

Indiana Urban Forestry Council

International Weed Science Society

North Central Weed Science Society

Weed Science Society of America

- Herbicides for Minor Uses Committee, 1976-1979

American Railway Engineers and Maintenance-of-Way Association

- Committee 1 (Track), Subcommittee 9 (Vegetation)

Council for Agricultural Science and Technology (CAST)

National Research Council Transportation Research Board

- Roadside Maintenance Committee, A3C07

National Roadside Vegetation Management Association

- Awards Committee, 1984-1990

Citations in Biographical Works

American Men and Women in Science, 1972, 12th Edition

Honorary Organizations

Alpha Zeta - National Agricultural Honorary

Epsilon Sigma Phi – National Extension Honorary

Gamma Sigma Delta - National Agricultural Honorary

Phi Kappa Phi - National Scholastic Honorary

Sigma Xi - National Honorary for Scientists

Xi Sigma Pi - National Forestry Honorary

Special Recognitions

1978-1979 – Chairman, Walnut Council
1979 – Chairman, Indiana Chapter, Society of American Foresters
1981 – Program Chairman, Walnut Council Annual Conference
1987 - Outstanding Paper Award, Weed Science
1991 – Distinguished Service Award, National Roadside Vegetation Management Association
1992 – Silver Member Certificate, Indiana Society of American Foresters
1996 - Outstanding Teacher, Department of Forestry and Natural Resources, Purdue University
1997 - Meritorious Service Award, Indiana Arborist Association
1998 - Excellence in Roadside Management – Roadside Support Category, National Roadside Vegetation Management Association
2002 - Education Award, Utility Arborist Association
2004 - Outstanding Counselor, Department of Forestry and Natural Resources, Purdue University
2005 - Special Recognition Award, Illinois Arborist Association
2005 - Award for Excellence in Arboricultural Education, International Society of Arboriculture
2006 - Distinguished Service Award, Indiana Arborist Association
2006 - Adjunct Research Professor, Changbai Mountain Academy of Science, Jilin Province, China
2008 – Richard Harris Authorship Award, International Society of Arboriculture

Selected Publications (last five years)

Publications – Research – Refereed

Blaedow, R.R., W.R. Chaney, P.C. Pecknold and H.A. Holt. 2006. Investigation of fungicidal properties of the tree growth regulator paclobutrazol to control apple scab. *Journal Arboriculture* 32(2):67-73.

Dahle, G.A., H.A. Holt, W.R. Chaney, T.M. Whalen, D.L. Cassens, R. Gazo and R.L. McKenzie. 2006. Branch strength loss implication for silver maple (*Acer saccharinum*) converted from round-over to V-trim. *Arboriculture and Urban Forestry* 32(4):148-154.

Dahle, G.A., H.A. Holt, W.R. Chaney, T.M. Whalen, J. Grabosky, D.L. Cassens, R. Gazo, R.L. McKenzie and J.B. Santini. 2006. Decay patterns in silver maple (*Acer saccharinum*) trees converted from roundovers to V-trims. *Arboriculture and Urban Forestry* 32(6):260-264.

Publications – Extension – Non-refereed

Chaney, W.R., H.A. Holt, R.A. Blaedow, G.A. Dahl and R.L. McKenzie. 2002. Soil fertilization and efficacy of paclobutrazol, pp. 118-122. IN: Twenty-ninth Proceeding Plant Growth Regulation Society of America, Halifax, Nova Scotia, Canada, July, 2002.

Holt, H.A., R.L. McKenzie, F. Whitford, H.L. Hipkins, J. DiTomaso, R. Dickens, J. Orr, G. Blase, P. Northcutt, and J. McKenzie. 2002. Model Certification Manual for Right-of-Way Pesticide Applicators. <http://www2.agriculture.purdue.edu/pep/rowmanual/>

McKenzie, R., H. Holt and B. Chaney. 2002. People need trees; benefits and values. (Poster) FNR-195.

McKenzie, R., H. Holt and B. Chaney. 2002. People need trees; benefits and values. Spanish (Poster) FNR-196.

- McKenzie, R., H. Holt and B. Chaney. 2002. Trees have needs; plant the right tree in the right place. (Poster) FNR-197.
- McKenzie, R., H. Holt and B. Chaney. 2002. Trees have needs; plant the right tree in the right place. Spanish (Poster) FNR-198.
- McKenzie, R., H. Holt and B. Chaney. 2002. Trees need people; prune it right (Poster) FNR-199.
- McKenzie, R., H. Holt and B. Chaney. 2002. Trees need people; prune it right. Spanish (Poster) FNR-200.
- Dahle, G., H. Holt, and R. McKenzie. 2003. Students see opportunities at Midwest Urban Tree Care Forum. *City Trees*, July/August 39(4): 8-10.
- Lowe, Z.E., H.P. Weeks, H.A. Holt, and G.R. Parker. 2004. Control of woody invasive plants using mechanical and chemical treatments. 8th International Symposium on Environmental Concerns in Rights-of-Way Management. Saratoga Springs, NY. (September 13-16, 2004). In Press.
- Dahle, G.A., H.A. Holt, W.R. Chaney, T.M. Whalen, R.L. McKenzie, D.L. Cassens and R. Gazo. 2004. Structural reliability of silver maple trees converted from round-over to V-prunes in association with electrical distribution lines. 8th International Symposium on Environmental Concerns in Rights-of-Way Management. Saratoga Springs, NY. (September 13-16, 2004). In Press.
- Chaney, W.R., D.M. Mickey and H.A. Holt. 2005. Gibberellin synthesis inhibitor affects annual xylem production and vessel element anatomy in some trees. *Proceedings 32nd Annual Meeting Plant Growth Regulation Society of America*, Newport Beach, California, July 24-27, 2005.
- Holt, H. 2005. ISA student members – the hidden resource. *Arborist News*, Vol. 14(5):54.
- Holt, H., R. McKenzie and A. Toney. 2005. Illinois Arborist Association hosts Midwest urban tree care forum. *Arborist News*, Vol. 14(5):33-34.
- McKenzie, R. and H. Holt. 2005. Trees need a proper start- Plant them right. FNR-FAQ-18-W. 3 pg.
- McKenzie, R. and H. Holt. 2005. Trees need a proper start- Prune them right. FNR-FAQ-19-W. 3 pg.
- Holt, H., R. McKenzie and A. Toney. 2006. Midwest urban tree care forum benefits IAA and the green industry. *Illinois Trees*, Vol. XX(III): 8-9.