

Hardwood Silviculture

Technical information on
hardwood silviculture for
foresters



The newly developed “Professional Forestry Notes” is a publication series devoted to professional foresters and advanced landowners providing up-to-date silvicultural information for management of woodlands in Kentucky and the surrounding region. The series is a joint venture of Dr. Jeff Stringer and Dr. Wayne Clatterbuck (University of Tennessee Extension forester) and supports the Professional Forestry Workshops that are run in Kentucky and Tennessee. Six titles have been produced in 2006, and at least three more are planned for 2007. Current publications include these titles:

Oak Shelterwood deals with a newly developed silvicultural method used to improve oak regeneration. This publication outlines the basic ecology of oak regeneration, new research findings, and details on how to properly implement the oak shelterwood method to improve natural oak regeneration. Stringer, J.W. 2006. *Oak Shelterwood: A Technique to Improve Oak Regeneration* (FOR-100). University of Kentucky, Cooperative Extension Service, Lexington. 7 pp.

Two-Age Systems and Harvesting Using a Deferment Cut. This 12-page publication defines the benefits and costs of the two-age system and also covers deferment harvesting as a stand-alone regeneration treatment or for the purpose of initiating a two-age stand. The publication includes proper selection of reserve trees (species, age, crown condition, topographic location, risks, harvest damage, and the benefits for life boating species at risk). It also includes a checklist of marking guidelines. Stringer, J.W. 2006. *Two-Age System and Deferment Harvests* (FOR-103). University of Kentucky, Cooperative Extension Service, Lexington. 12 pp.

Oak Decline deals with a noticeable problem in a number of oak stands throughout the region. This publication provides information on how to diagnose oak decline and what the options are to help manage the problem. Clatterbuck, W.K., and Kauffman, B.W. 2006. *Managing Oak Decline* (FOR-099). University of Kentucky, Cooperative Extension Service, Lexington. 6 pp.

Hardwood Plantations guides you through a timber investment analysis showing you how to make monetary decisions regarding this significant investment. Tankersley, L. 2006. *Hardwood Plantations as an Investment* (FOR-101). University of Kentucky, Cooperative Extension Service, Lexington. 7 pp.

Gypsy Moth deals with a problem that will soon reach Kentucky. We have plenty of warning, and foresters in Kentucky need to provide competent prescriptions for dealing with this issue and should now be focusing on gearing up their silvicultural arsenal to deal proactively with this pest. This publication provides assessment guidelines identifying stands at risk and silvicultural alternatives to minimize impacts. Kauffman, B.W., and W.K. Clatterbuck. 2006. *Forest Management Strategies to Minimize the Impact of Gypsy Moth* (FOR-102). University of Kentucky, Cooperative Extension Service, Lexington. 8 pp.

Degraded Stand Management is an issue that most foresters have to deal with. The publication outlines assessment procedures and courses of action to bring stands back into acceptable levels of productivity. Clatterbuck, W.K. 2006. *Treatments for Improving Degraded Hardwood Stands* (FOR-104). University of Kentucky, Cooperative Extension Service, Lexington. 11 pp.

How to Obtain the Publications

Each publication has a publication number identifying it as either from the University of Kentucky, University of Tennessee, or Southern Regional Extension Forestry. Each is available from all three sources. Kentucky foresters and landowners can obtain a hard copy (while supplies last) or download the publication in PDF form from www.ukforestry.org.

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