

Hardwood Management Practices

Improving Hardwood Forests with Proper Forest Management

Forestry Topic 70

June 2023

Getting Started

DOF foresters first conduct stand assessments using specialized tools to gather data, which is used to help inform landowner management options and decisions. In most cases, forest management falls into one of the development stages below.

Establishment Stage	Regeneration Stage	Tending Stage
buring the establishment stage, nanagement focuses on helping new eedlings germinate and grow so they an become established and compete uccessfully into the canopy. ractices should be used in closed anopy, mature forests that lack esirable seedlings, especially oaks.	During the regeneration stage, management focuses on removing the canopy, so the established seedlings grow and form a new forest. Practices should be used in mature forests when desirable regeneration is present or expected to start after harvesting.	During the tending stage, management focuses on fostering optimal forest development and guides species composition to achiev desired objectives. Practices should be used in young or middle-aged (8-50 years-old) forests after tree crowns touch each other to minimize future forest health
rescribed Burning	Clearcut	problems and maximize benefits.
mproves oak seedling establishment nd competition. May aid in preparing eedbed for germination of light, vindblown seeds. Aid-Story Removal temoves trees from below the upper anopy to improve growth and ompetition of small oak seedlings nd saplings.	Removes all trees at once. Appropriate when sufficient advanced oak regeneration is present, or to regrow trees requiring full sunlight. Shelterwood Removes all trees in two stages, separated by several years. Helps seedlings develop that do best in partial shade. Periodic Partial Harvest	Timber Stand Improvement Control unwanted species in the forest to improve growth, adjust species composition, or reduce vine competition. Typically pre- commercial. Crop Tree Release Improve growth of select trees by controlling their competition.
Reduces number of non-native plants	Frequent harvesting of small areas to	Thinning
Ardwood Afforestation Planting non-forestland wiht at least 0% hardwood trees. Planting must ollow Virginia Hardwood Planting	Frequent narvesting of small areas to slowly give seedlings more sunlight. Competition Control Reduces number of non-native plants or excessive, dense native plants that inhibit growth and development of desirable trees.	Commercial harvest to improve growth and vigor of existing trees.
Suidelines.		



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