



FOREST STAND IMPROVEMENT

666

Conservation Practice Job Sheet

Landowner _____ Field No. _____

Purpose (check all that apply)	
<input type="checkbox"/> Increase the quantity and quality of forest products	<input type="checkbox"/> Harvest forest products
<input type="checkbox"/> Initiate forest stand regeneration	<input type="checkbox"/> Reduce potential damage from wildfire, pests, and moisture stress
<input type="checkbox"/> Restore natural plant communities	<input type="checkbox"/> Achieve a desired understory plant community
<input type="checkbox"/> Improve aesthetic, recreation, and open space values	<input type="checkbox"/> Improve wildlife habitat
<input type="checkbox"/> Improve water conservation and yield	<input type="checkbox"/> Achieve a desired level of crop tree stocking and density
<input type="checkbox"/> Increase carbon sequestration	<input type="checkbox"/> Enhance renewable energy production

Practice Specifications:

Species to be Removed	Mgmt. System*	Residual Trees per acre	Spacing (ft.)	Field No.	Improvement Method

*Even-aged or Uneven-aged Management

Timing of forest stand improvement practices: _____

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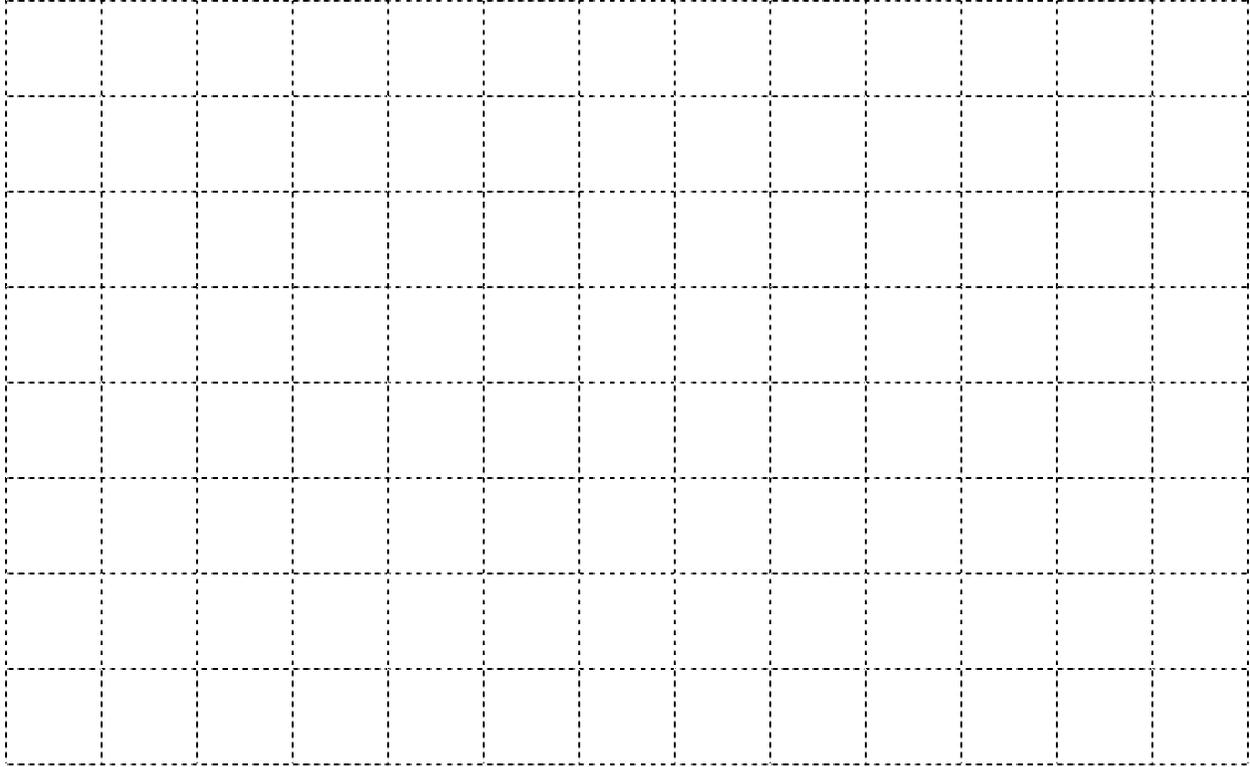
General Considerations:

1. Preferred tree and understory species must be identified and retained to achieve the planned purposes.
2. Landowners with wildlife habitat management as a primary or secondary objective should plan retention of a sufficient number of den trees, snags, and roost trees. The practices should be timed to minimize disturbance of seasonal wildlife activities such as bird nesting.
3. Chemical herbicides can be applied by tree injection, foliar spraying, basal application, and soil application. Guidance for selection of the proper herbicide, rates, and timing of the application can be obtained from Cooperative Extension's Recommended Chemicals for Weed and Brush Control: MP-44 Arkansas. Always follow label directions carefully to avoid unsafe use of the chemical. It is important to plan harvest treatments and proceed with practice installation carefully to avoid damage to the site. Forest stand improvement activities should be performed to minimize soil erosion, compaction, rutting, and damage to remaining vegetation and hydrologic conditions.
4. Riparian forest buffers should be left along all intermittent and seasonal waterbodies to prevent sediment and/or chemicals from forest management activities from reaching the water.
5. Trees to be targeted for removal during improvement thinnings include: suppressed trees that will not live until the next thinning; trees with injuries resulting from fire, ice, insects, lightning, etc.; poorly formed trees (forked, crooked, etc.) that have a low value; trees which are not well adapted to the site and have a resultant low growth rate or poor form; mature trees which have begun to decline in vigor; and tree species which do not supplement the objectives of the landowner.
6. Timber sales should always be made on a competitive bid basis to protect the landowner's economic investment in the forest stand, and a timber contract should always be used to define the rights and responsibilities of both the seller and the buyer.
7. Property boundaries should be clearly marked and maintained to avoid conflict and misunderstandings with neighboring landowners and/or contractors.

Forest Stand Improvement – Job Sheet

If needed, an aerial view or a side view of the practice can be shown below. Other relevant information, complementary practices and measures, and additional specifications may be included.

Scale 1"=_____ ft. (NA indicates sketch not to scale: grid size=1/2" by 1/2")

**Additional Specifications and Notes:**
