

# Oak-Hickory, Oak-Pine, and Post Oak-Blackjack Oak Forest Habitats

Levels of Encroachment	Scale of Target Area for Maintenance or Restoration (Acres)			
	160 acres or less	160 - 640 acres	640 - 5,000 acres	>5,000
	<i>Recommended Treatment and Cost/Acre</i>			
No cedar	Fire A \$10	Fire A \$7	Fire A \$5	Fire A \$3
Understory cedar	Fire B \$10 Mech A \$25 Herb \$40	Fire B \$7	Fire B \$5 Fire C \$10 Fire E \$15	Fire B \$5 Fire C \$10 Fire E \$15
Midstory cedar	Fire F \$15 Fire G \$20 Mech A \$25 Mech B \$50 Mech C \$40	Fire F \$12 Fire G \$17 Mech B \$50 Mech C \$40	Fire G \$17 Fire C \$10 Fire E \$15	Fire G \$15 Fire C \$10 Fire E \$15
Overstory cedar	Fire D \$25 Mech A \$25 Mech F \$21 Mech G \$100	Fire D \$25 Mech F \$18 Mech G \$75	Fire D \$20 Mech F \$16	Fire D \$20 Mech F \$16

Treatment Options <sup>a</sup>	Specific Treatment Descriptions <sup>b,c</sup>
Fire:	A - Prescribed burning every 3 to 5 years B - Prescribed burning with hand ignition to kill residual trees C - Prescribed burning: helicopter ignition with helitorch D - Prescribed burning: helicopter ignition with helitorch & paraquat E - Prescribed burning: helicopter ignition with ping-pong machine (DAID) F - Prescribed burning with hand ignition followed by individual tree ignition G - Prescribed burning with hand ignition followed by mechanical
Mechanical: (Do not pile)	A - Hand tool (lopper, bow saw, axe, chain saw) B - Tractor or bobcat with hydraulic clipper C - Cedar hydraulic saw D - Bulldozer (pie-shaped saw, push blade) E - Two bulldozers with 6-foot ball and two 100-foot-long anchor chains F - Mechanical E with follow-up using Fire A G - Selective dozing followed by Fire A
Herbicide:	Velpar or picloram (individual tree treatment)

<sup>a</sup> After all initial treatments, prescribed burning should be repeated every 3 to 5 years to maintain the site.

<sup>b</sup> Reseeding after treatment is unnecessary, cost prohibitive, and usually destructive.

<sup>c</sup> Does not include firebreak preparation or maintenance.