

## Prairie and Shrubland 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
	Recommended Treatment and Cost/Acre			
No cedar	Fire A \$10	Fire A \$7	Fire A \$5	Fire A \$3
<6 feet tall <250 trees/acre	Fire B \$10 Mech A \$25 Mech G \$20 Herb \$40	Fire B \$7 Mech G \$20	Fire B \$5 Fire C \$10 Fire E \$15	Fire B \$3 Fire C \$10 Fire E \$5
6 to 20 feet tall 250 trees/acre	Fire F \$15 Fire G \$20 Mech B \$50 Mech C \$80 Mech D \$109 Mech E \$11 Mech F \$21	Fire F \$12 Fire G \$17 Mech B \$50 Mech C \$50 Mech D \$90 Mech E \$11 Mech F \$18	Fire G \$17 Fire C \$10 Fire E \$15	Fire G \$15 Fire C \$10 Fire E \$5
>20 feet tall >250 trees/acre	Fire D \$25 Mech F \$160	Fire D \$25 Mech F \$18	Fire D \$20 Mech F \$16	Fire D \$20 Mech F \$16
<i>Treatment Options<sup>a</sup></i>	<i>Specific Treatment Descriptions<sup>b,c</sup></i>			
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 - Mow or Shred			
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.