

ECONOMIC COST DATA

Firebreak (394)

OKLAHOMA

Cost Data

<b>Typical Implementation Scenario</b>		
<b>394.1 Firebreak, normal</b>		
Construction/installation of a firebreak as designed according to the NRCS Firebreak (394) standard and included in a Prescribed Burning Management Plan. This is limited to constructed firebreaks that can be prepared with normal farm type machinery (disks, plows, mowers) or similar type equipment. Generally these are installed on open grasslands with landscapes and soils that allows for use of normal farm equipment (i.e. no boulders, no large trees, no canyons that can't be crossed).		
Data Source: 2006-2007 actual cost data		
Geographic Area:	Statewide	
Unit for Cost Estimate:	Ac.	
Practice Life (Years):	10	
Discount Rate (%/Year):	5%	<b>Cost/Unit</b>
<b>Materials</b>		0.000
None		
<b>Equipment/Installation</b>		\$125.00
Normal farm equipment (tractor, disk, plow, mowers, etc..) and labor. Some cases may require mowing of thick vegetation and 2-3 passes to fully remove/bury vegetation.		
<b>Labor</b>		
Included in installation.		
<b>Mobilization</b>		
Included in installation.		
<b>Operation &amp; Maintenance</b>		5.00
Constructed firebreaks can be maintained in order to reduce amount of preparation time and effort for future burning. The initial construction is usually the more expensive and time consuming. Afterwards, with annual tillage and/or planting of green crops (i.e. wheat), the firebreaks can be maintained for future burns.		
<b>Acquisition of Technical Knowledge</b>		0.00
Knowledge of prescribed burning, use of equipment for installation		
<b>Forgone Income</b>		0.00
Could be loss of acreage of forage, but could be negligible if planted to green crops as part of maintenance,		
<b>Risk</b>		0.00
Reduced risk, less fire damage hazard.		
<b>Administration &amp; Permit Costs</b>		0.00
None		
<b>Total Cost Estimate:</b>		<b>130.00</b>

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Cost Data

<u>Typical Implementation Scenario</u>		
<b>394.2 Firebreak, heavy equip.</b>		
Construction/installation of a firebreak as designed according to the NRCS Firebreak (394) standard and included in a Prescribed Burning Management Plan. This is limited to constructed firebreaks that <u>require</u> heavy equipment (dozers, graders) due to site conditions that do not allow for use of normal farm equipment. Site conditions would include thick brush, large trees, rocky terrain, creek crossings or steep slopes that would necessitate the need for heavy equipment. Also included is the needed stacking and removing of debris in order to provide a technically sufficient firebreak.		
<b>Geographic Area:</b>	Statewide	
<b>Unit for Cost Estimate:</b>	Ac.	
<b>Practice Life (Years):</b>	10	
<b>Discount Rate (%/Year):</b>	5%	
		<b>Cost/Unit</b>
<b>Materials</b>		0.000
None		
<b>Equipment/Installation</b>		\$475.00
Costs includes equipment and labor to install constructed firebreaks. Typical costs include \$75 - \$80 per hour with 5-6 hours per acre.		
Data Source: 2006-2007 actual cost data		
<b>Labor</b>		
Included in installation		
<b>Mobilization</b>		
Included with equipment and installation		
<b>Operation &amp; Maintenance</b>		10.00
Constructed firebreaks can be maintained with periodic tillage, removal of debris, etc. in order to reduce amount of preparation time and effort for future burning. The initial construction is usually the more expensive and time consuming. Afterwards, with annual tillage and/or planting of green crops (i.e. wheat), the firebreaks can be maintained for future burns.		
<b>Acquisition of Technical Knowledge</b>		0.000
Knowledge of prescribed burning, use of equipment for installation		
<b>Forgone Income</b>		0.000
None		
<b>Risk</b>		0.000
Reduced risk, less fire damage hazard.		
<b>Administration &amp; Permit Costs</b>		0.000
None		
<b>Total Cost Estimate:</b>		<b>485.000</b>