Prescribed Burning (338) **OKLAHOMA**

Cost Data

Typical Implementation Scenario

338.1 Prescribed Burn, Level 2

Applying a prescribed burn according to designed burn plan and NRCS Prescribed Burning (338) standard and specifications in order to control undesirable species, improve wildlife habitat, improve plant productivity and/or quality, facilitate grazing distribution and maintain ecological processes.

Prescribed burns in this scenario are open grasslands that may contain small (<6') volatile woody species such as red cedar. Firebreaks (installed according to the Firebreak (394) standard) are constructed, bare soil which may also be seeded to green growing crops or wowed wet-lines. Burned firebreaks used to achieve total firebreak width are part of these burns. Terrain is less than 12% slopes and fires can be completed in 1 day or less.

Data Source: Prior Years Actual Cost Data

Geographic Area: Statewide

Unit for Cost Estimate: Ac
Practice Life (Years): 5
Discount Rate (%/Year): 5%

	Cost/Unit
Materials Drip torch fuel (averages 1 gallon of mix per 10 acres), water, matches, fuel for equipment, etc.	$0.35
Equipment/Installation Costs will vary depending on burn plan, available resources, whether the burn is custom applied or done by the landowner. Equipment may include 4-wheelers, sprayers, drip torches or propane torches, hand tools, tractors, pumpers, radios, weather kits, etc. Costs based on $10.00 per hour per piece of equipment, averages 5 different pieces of equipment per burn and 6 hours to burn 160 acres.	$1.90
Labor Based on $10.00 per hour, average 6 hours for 160 acres with average crew of 8 people assigned to different duties including application of the burn, mop-up and monitoring after the burn.	$3.00
Mobilization Includes costs of getting all equipment on site, preburn preparations (reviewing burn plan with crews, checking firebreaks, weather, etc. Also includes any costs that may be associated with deferment prior to burning in order to achieve adequate fuel loads, as prescribed in the burn plan, needed to accomplish the objectives of the burn.	$0.50
Operation & Maintenance (Annual) N/A	$0.00
Acquisition of Technical Knowledge There will be some costs associated with potential training at workshops and schools, costs could be on a annual basis and may be more in the beginning. As experience is gained, costs will decrease. Costs associated with burn plan development not included since this scenario is based on NRCS burn plan. Estimate $100.00 per year and when applied to an average burn of 160 acres this would be $.63 per acre.	$0.63
Forgone Income (Annual) None	
Risk None	
Administration & Permit Costs None	
Total Cost Estimate:	$6.38

Prescribed Burning (338) **OKLAHOMA**

Cost Data

Typical Implementation Scenario

338.2 Prescribed Burn, Level 2

Applying a prescribed burn according to designed burn plan and NRCS Prescribed Burning (338) standard and specifications in order to control undesirable species, improve wildlife habitat, improve plant productivity and/or quality, facilitate grazing distribution and maintain ecological processes.

This scenario applies anytime one or more of the following conditions exist: the area to be burned contains large (>6') volatile woody species such as red cedar and greenbriar, either standing or dead or downed, and regardless of firebreak types; or terrain exceeds 12% slopes with deep canyons; or burn cannot be completed in one day.

Data Source: Prior Years Actual Cost Data

Geographic Area:	Statewide	
Unit for Cost Estimate:	Ac	
Practice Life (Years):	5	
Discount Rate (%/Year):	5%	**Cost/Unit**

Materials $0.40

Drip torch fuel (averages 1 gallon of mix per 10 acres), water, matches, fuel for equipment, etc.

Equipment/Installation $3.75

Costs will vary depending on burn plan, available resources, whether the burn is custom applied or done by the landowner. Equipment may include 4-wheelers, sprayers, drip torches or propane torches, hand tools, tractors, pumpers, radios, weather kits, etc. Costs based on $15.00 per hour per piece of equipment, averages 5 different pieces of equipment per burn and 16 hours to burn 320 acres.

Labor $7.50

Based on $15.00 per hour, average 16 hours for 320 acres with average crew of 10 people assigned to different duties including application of the burn, mop-up and monitoring after the burn.

Mobilization $0.75

Includes costs of getting all equipment on site, preburn preparations (reviewing burn plan with crews, checking firebreaks, weather, etc.

Operation & Maintenance (Annual) $0.00

N/A

Acquisition of Technical Knowledge $0.63

There will be some costs associated with potential training at workshops and schools, costs could be on a annual basis and may be more in the beginning. As experience is gained, costs will decrease. Costs associated with burn plan development not included since this scenario is based on NRCS burn plan. Estimate $100.00 per year and when applied to an average burn of 160 acres this would be $.63 per acre.

Forgone Income (Annual)

None

Risk

None

Administration & Permit Costs

None

Total Cost Estimate: $13.03