

Practice: 338 - Prescribed Burning

Scenario # 1 Prescribed Burn - Grassland > 10 acres

Missouri

Scenario Description:

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 is based on a burn area consisting of herbaceous and/or low volatile woody fuel with no high volatile fuels. Burned firebreaks used to achieve total firebreak width are part of these burns. (Constructed firebreak cost is not included in cost of burn. Refer to Firebreak (394) standard and cost scenarios)

Before Practice Situation:

Desirable plant composition is lacking due to reduced plant vigor, invasive species or improper livestock distribution.

After Practice Situation:

Desirable plant composition is restored, plant vigor improved and invasive species reduced. Forage production and quality for livestock and /or wildlife is improved.

Scenario Feature Measure:

Acres planned

Scenario Typical Size:	40	Acre	Tot Unit Cost	\$39.11
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Cost Category	Component Name	Quantity	Unit	Unit Cost	Cost
Materials	Fuel, ignition fuel mixture	5	Gallon	\$3.99	\$19.95
Equip./Install.	All terrain vehicles, ATV	4	Hour	\$29.82	\$119.28
Equip./Install.	Truck, Pickup	4	Hour	\$27.28	\$109.12
Equip./Install.	Water tank, portable	4	Hour	\$2.54	\$10.16
Labor	Skilled Labor	16	Hour	\$31.91	\$510.56
Labor	Supervisor or Manager	8	Hour	\$37.21	\$297.68
Mobilization	Mobilization, Supervisor or Manager	4	Hour	\$36.87	\$147.48
Mobilization	Mobilization, Skilled labor	4	Hour	\$30.60	\$122.40
Mobilization	Mobilization, very small equipment	2	Each	\$55.50	\$111.00
Acq. Tech.	Knox Training, Workshops	1	Each	\$116.67	\$116.67

Total Cost: \$1,564.30

Payment types:

PayType	Unit Payment	PayType	Unit Payment
EQIP	\$29.33	EQIP-HU	\$35.20
WHIP	\$29.33	WHIP-HU	\$35.20
EQIP-NOI	\$29.33	EQIP-HUNOI	\$35.20
EQIP-CCPI	\$29.33	EQIP-HUCCPI	\$35.20

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Scenario # 2 Prescribed Burn - Grassland, Small acreage (≤10 acres)

Missouri

Scenario Description:

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 is based on a burn area consisting of herbaceous and/or low volatile woody fuel with no high volatile fuels. Burned firebreaks used to achieve total firebreak width are part of these burns. (Constructed firebreak cost is not included in cost of burn. Refer to Firebreak (394) standard and cost scenarios)

Before Practice Situation:

Desirable plant composition is lacking due to reduced plant vigor, invasive species or improper livestock distribution.

After Practice Situation:

Desirable plant composition is restored, plant vigor improved and invasive species reduced. Forage production and quality for livestock and /or wildlife is improved.

Scenario Feature Measure:

Acres planned

Scenario Typical Size:	10	Acre	Tot Unit Cost	\$74.20
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Cost Category	Component Name	Quantity	Unit	Unit Cost	Cost
Materials	Fuel, ignition fuel mixture	5	Gallon	\$3.99	\$19.95
Equip./Install.	All terrain vehicles, ATV	1	Hour	\$29.82	\$29.82
Equip./Install.	Truck, Pickup	1	Hour	\$27.28	\$27.28
Equip./Install.	Water tank, portable	1	Hour	\$2.54	\$2.54
Labor	Skilled Labor	4	Hour	\$31.91	\$127.64
Labor	Supervisor or Manager	1	Hour	\$37.21	\$37.21
Mobilization	Mobilization, Supervisor or Manager	4	Hour	\$36.87	\$147.48
Mobilization	Mobilization, Skilled labor	4	Hour	\$30.60	\$122.40
Mobilization	Mobilization, very small equipment	2	Each	\$55.50	\$111.00
Acq. Tech.	Knox Training, Workshops	1	Each	\$116.67	\$116.67

Total Cost: \$741.99

Payment types:

PayType	Unit Payment	PayType	Unit Payment
EQIP	\$55.65	EQIP-HU	\$66.78
WHIP	\$55.65	WHIP-HU	\$66.78
EQIP-NOI	\$55.65	EQIP-HUNOI	\$66.78
EQIP-CCPI	\$55.65	EQIP-HUCCPI	\$66.78

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Scenario # 3 Prescribed Burn - Woodland >10 acres

Missouri

Scenario Description:

Applying a prescribed burn according to designed burn plan and NRCS Prescribed Burning (338) standard and specifications. A woodland burn can consume debris or leaf litter under controlled conditions that otherwise could burn uncontrollably and devastatingly. Prior to burning, unit may need to be treated to reduce slash height and quantities. Burn should be cool enough to not cause mortality to residual stand but still reduce litter and debris and promote desired plant community. Burned firebreaks used to achieve total firebreak width are part of these burns. (Constructed firebreak cost is not included in cost of burn. Refer to Firebreak (394) standard and cost scenarios)

Before Practice Situation:

Light slash accumulation in a open forest stand. Leaf litter and debris throughout stand. Small seedlings of various quantities may be present. Desirable plant composition is lacking due to reduced plant vigor and/or invasive species are becoming established.

After Practice Situation:

Litter, debris and slash are consumed, small seedlings may be killed during active burning. Residual larger trees have little to no scorching. Post treatment fire danger is significantly reduced and desired plant community is promoted/restored.

Scenario Feature Measure:

Acres planned

Scenario Typical Size:	40	Acre	Tot Unit Cost	\$92.57
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Cost Category	Component Name	Quantity	Unit	Unit Cost	Cost
Materials	Fuel, ignition fuel mixture	10	Gallon	\$3.99	\$39.90
Equip./Install.	All terrain vehicles, ATV	8	Hour	\$29.82	\$238.56
Equip./Install.	Trailer, water tank	8	Hour	\$20.05	\$160.40
Equip./Install.	Truck, Pickup	8	Hour	\$27.28	\$218.24
Equip./Install.	Water tank, portable	8	Hour	\$2.54	\$20.32
Labor	Skilled Labor	48	Hour	\$31.91	\$1,531.68
Labor	Supervisor or Manager	16	Hour	\$37.21	\$595.36
Mobilization	Mobilization, Supervisor or Manager	4	Hour	\$36.87	\$147.48
Mobilization	Mobilization, Skilled labor	4	Hour	\$30.60	\$122.40
Mobilization	Mobilization, medium equipment	2	Each	\$200.43	\$400.86
Mobilization	Mobilization, very small equipment	2	Each	\$55.50	\$111.00
Acq. Tech. Kno	Training, Workshops	1	Each	\$116.67	\$116.67

Total Cost: \$3,702.87

Payment types:

PayType	Unit Payment	PayType	Unit Payment
EQIP	\$69.43	EQIP-HU	\$83.31
WHIP	\$69.43	WHIP-HU	\$83.31
EQIP-NOI	\$69.43	EQIP-HUNOI	\$83.31
EQIP-CCPI	\$69.43	EQIP-HUCCPI	\$83.31

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Scenario # 4 Prescribed Burn - Woodland, Small acreage (≤10 acres)

Scenario Description:

Missouri

Applying a prescribed burn according to designed burn plan and NRCS Prescribed Burning (338) standard and specifications. A woodland burn can consume debris or leaf litter under controlled conditions that otherwise could burn uncontrollably and devastatingly. Prior to burning, unit may need to be treated to reduce slash height and quantities. Burn should be cool enough to not cause mortality to residual stand but still reduce litter and debris and promote desired plant community. Burned firebreaks used to achieve total firebreak width are part of these burns. (Constructed firebreak cost is not included in cost of burn. Refer to Firebreak (394) standard and cost scenarios)

Before Practice Situation:

Light slash accumulation in a open forest stand. Leaf litter and debris throughout stand. Small seedlings of various quantities may be present. Desirable plant composition is lacking due to reduced plant vigor and/or invasive species are becoming established.

After Practice Situation:

Litter, debris and slash are consumed, small seedlings may be killed during active burning. Residual larger trees have little to no scorching. Post treatment fire danger is significantly reduced and desired plant community is promoted/restored.

Scenario Feature Measure:

Acres planned

Scenario Typical Size:	10	Acre	Tot Unit Cost	\$129.62
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Cost Category	Component Name	Quantity	Unit	Unit Cost	Cost
Materials	Fuel, ignition fuel mixture	5	Gallon	\$3.99	\$19.95
Equip./Install.	All terrain vehicles, ATV	2	Hour	\$29.82	\$59.64
Equip./Install.	Truck, Pickup	2	Hour	\$27.28	\$54.56
Equip./Install.	Water tank, portable	2	Hour	\$2.54	\$5.08
Labor	Skilled Labor	16	Hour	\$31.91	\$510.56
Labor	Supervisor or Manager	4	Hour	\$37.21	\$148.84
Mobilization	Mobilization, Supervisor or Manager	4	Hour	\$36.87	\$147.48
Mobilization	Mobilization, Skilled labor	4	Hour	\$30.60	\$122.40
Mobilization	Mobilization, very small equipment	2	Each	\$55.50	\$111.00
Acq. Tech.	KnovTraining, Workshops	1	Each	\$116.67	\$116.67

Total Cost: \$1,296.18

Payment types:

PayType	Unit Payment	PayType	Unit Payment
EQIP	\$97.21	EQIP-HU	\$116.66
WHIP	\$97.21	WHIP-HU	\$116.66
EQIP-NOI	\$97.21	EQIP-HUNOI	\$116.66
EQIP-CCPI	\$97.21	EQIP-HUCCPI	\$116.66