

**Scenario Worksheet**

**Practice and Scenario Description:**

Information Type	Data
Region	New England
State	Connecticut
Discipline Group	Range/Pasture Grazing
Practice Code/Name	338 - Prescribed Burning
Scenario ID	3
Scenario Name	Herbaceous Fuel < 15 ac.
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 of less than 15 acres and applies under the following conditions: where the terrain of the majority of the area to be burned <15% slopes with 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 Unit	Acre
Scenario Typical Size	15

**Cost Summary:**

Cost Category	Scenario Cost	Scenario Cost/Unit
Materials	\$15.96	\$1.06
Equipment/Installation	\$1,007.36	\$67.16
Labor	\$7,475.34	\$498.36
Mobilization	\$1,500.24	\$100.02
Acquisition of Technical Knowledge	\$116.67	\$7.78
Foregone Income	\$0.00	\$0.00
Total	\$10,115.57	\$674.37

**Cost Details:**

Cost Category	Component ID	Component Name	Component Description	Unit	Price (\$/unit)	Quantity	Cost
Materials	1596	Fuel, ignition fuel mixture	Mixture of gasoline and diesel for ignition of prescribed burns. Materials only.	Gallon	\$3.99	4	\$15.96
Equipment/Installation	965	All terrain vehicles, ATV	Includes equipment and labor costs.	Hour	\$28.98	8	\$231.84
Equipment/Installation	1598	Trailer, water tank	Mobile 5,000 gal water tank mounted on a trailer. Equipment only. Does not include towing equipment.	Hour	\$19.49	16	\$311.84
Equipment/Installation	939	Truck, Pickup	Equipment and power unit costs. Labor not included.	Hour	\$26.51	16	\$424.16
Equipment/Installation	1602	Water tank, portable	Portable water tank transported in a pick up truck. Typically with 200 gallon capacity includes tank with pump, hose and sprayer. Does not include the pickup truck. Equipment only.	Hour	\$2.47	16	\$39.52
Labor	230	Skilled Labor	Labor requiring a high level skill set: Includes carpenters, welders, electricians, conservation professionals involved with data collection, monitoring, and or record keeping, etc.	Hour	\$39.54	48	\$1,897.92
Labor	235	Consultant Services	Consultant services to assist in resource inventory, plan development, site surveys, site monitoring, installation of practices, etc.	Hour	\$83.22	55	\$4,577.10
Labor	234	Supervisor or Manager	Labor involving supervision or management activities. Includes crew supervisors, foremen and farm/ranch managers time required for adopting new technology, etc.	Hour	\$41.68	24	\$1,000.32
Mobilization	1145	Mobilization, Supervisor or Manager	Mobilization of supervisors or management. Includes crew supervisors, foremen and farm/ranch managers, etc.	Hour	\$41.30	4	\$165.20
Mobilization	1141	Mobilization, Skilled labor	Mobilization of skilled labor: Includes carpenters, welders, electricians, conservation professionals involved with data collection, monitoring, and or record keeping, etc.	Hour	\$39.23	4	\$156.92
Mobilization	1140	Mobilization, large equipment	Equipment >150HP or typical weights greater than 30,000 pounds or loads requiring over width or over length permits.	Each	\$513.10	2	\$1,026.20
Mobilization	1137	Mobilization, very small equipment	Equipment that is small enough to be transported by a pick-up truck with typical weights less than 3,500 pounds. Can be multiple pieces of equipment if all hauled simultaneously.	Each	\$75.96	2	\$151.92

Acquisition of Technical Knowledge	294	Training, Workshops	Educational seminar or series of meetings emphasizing interaction and exchange of information among a usually small number of participants.	Each	\$116.67	1	\$116.67
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**Practice and Scenario Description:**

<b>Information Type</b>	<b>Data</b>
Region	New England
State	Connecticut
Discipline Group	Range/Pasture Grazing
Practice Code/Name	338 - Prescribed Burning
Scenario ID	2
Scenario Name	Pile Burning
Scenario Description	Burning pile of woody debris derived from Mechanical Brush Management pushing or chaining of brush species. Unit is based on no more than three pile actively burning per individual. Piles are 12'X12'X12' and ignited separately. 10 piles burned/day/individual.
Before Practice Situation	Woody brush piles occupy are restricting livestock and wildlife forage production and movement and access to forage. Provides for high levels of wildfire fuel loads and provides safe sites for invasive species establishment.
After Practice Situation	Desirable forage production and composition achieved, livestock and wildlife movement and access restored. Wildfire fuel load reduced and safe sites for invasive species removed.
Scenario Feature Measure	Number of piles burned
Scenario Unit	Each
Scenario Typical Size	10

**Cost Summary:**

Cost Category	Scenario Cost	Scenario Cost/Unit
Materials	\$107.38	\$10.74
Equipment/Installation	\$554.90	\$55.49
Labor	\$673.90	\$67.39
Mobilization	\$143.47	\$14.35
Acquisition of Technical Knowledge	\$116.67	\$11.67
Foregone Income	\$0.00	\$0.00
<b>Total</b>	<b>\$1,596.32</b>	<b>\$159.63</b>

**Cost Details:**

Cost Category	Component ID	Component Name	Component Description	Unit	Price (\$/unit)	Quantity	Cost
Materials	1597	Fuel, propane	20 pound propane bottle, with propane, for ignition of prescribed burns. Materials only.	Each	\$53.69	2	\$107.38
Equipment/Installation	965	All terrain vehicles, ATV	Includes equipment and labor costs.	Hour	\$28.98	10	\$289.80
Equipment/Installation	939	Truck, Pickup	Equipment and power unit costs. Labor not included.	Hour	\$26.51	10	\$265.10
Labor	234	Supervisor or Manager	Labor involving supervision or management activities. Includes crew supervisors, foremen and farm/ranch managers time required for adopting new technology, etc.	Hour	\$41.68	10	\$416.80
Labor	231	General Labor	Labor performed using basic tools such as power tool, shovels, and other tools that do not require extensive training. Ex. pipe layer, herder, concrete placement, materials spreader, flagger, etc.	Hour	\$25.71	10	\$257.10
Mobilization	1142	Mobilization, General labor	Mobilization of general labor: Ex. pipe layer, herder, concrete placement, materials spreader, flagger, etc.	Hour	\$26.21	1	\$26.21
Mobilization	1145	Mobilization, Supervisor or Manager	Mobilization of supervisors or management. Includes crew supervisors, foremen and farm/ranch managers, etc.	Hour	\$41.30	1	\$41.30
Mobilization	1137	Mobilization, very small equipment	Equipment that is small enough to be transported by a pick-up truck with typical weights less than 3,500 pounds. Can be multiple pieces of equipment if all hauled simultaneously.	Each	\$75.96	1	\$75.96
Acquisition of Technical Knowledge	294	Training, Workshops	Educational seminar or series of meetings emphasizing interaction and exchange of information among a usually small number of participants.	Each	\$116.67	1	\$116.67

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**Practice and Scenario Description:**

Information Type	Data
Region	New England
State	Connecticut
Discipline Group	Range/Pasture Grazing
Practice Code/Name	338 - Prescribed Burning
Scenario ID	1
Scenario Name	Understory Burn
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, to encourage natural seeding or to permit reforestation by planting or direct seeding and maintain ecological processes. An Understory 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 also must reduce litter and debris. 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 an 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, invasive species or improper livestock distribution.
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. 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 Unit	Acre
Scenario Typical Size	15

**Cost Summary:**

Cost Category	Scenario Cost	Scenario Cost/Unit
Materials	\$15.96	\$1.06
Equipment/Installation	\$1,007.36	\$67.16
Labor	\$8,141.10	\$542.74
Mobilization	\$1,339.18	\$89.28
Acquisition of Technical Knowledge	\$116.67	\$7.78
Foregone Income	\$0.00	\$0.00
Total	\$10,620.27	\$708.02

**Cost Details:**

Cost Category	Component ID	Component Name	Component Description	Unit	Price (\$/unit)	Quantity	Cost
Materials	1596	Fuel, ignition fuel mixture	Mixture of gasoline and diesel for ignition of prescribed burns. Materials only.	Gallon	\$3.99	4	\$15.96
Equipment/Installation	965	All terrain vehicles, ATV	Includes equipment and labor costs.	Hour	\$28.98	8	\$231.84
Equipment/Installation	1598	Trailer, water tank	Mobile 5,000 gal water tank mounted on a trailer. Equipment only. Does not include towing equipment.	Hour	\$19.49	16	\$311.84
Equipment/Installation	939	Truck, Pickup	Equipment and power unit costs. Labor not included.	Hour	\$26.51	16	\$424.16
Equipment/Installation	1602	Water tank, portable	Portable water tank transported in a pick up truck. Typically with 200 gallon capacity includes tank with pump, hose and sprayer. Does not include the pickup truck. Equipment only.	Hour	\$2.47	16	\$39.52
Labor	230	Skilled Labor	Labor requiring a high level skill set: Includes carpenters, welders, electricians, conservation professionals involved with data collection, monitoring, and or record keeping, etc.	Hour	\$39.54	48	\$1,897.92
Labor	235	Consultant Services	Consultant services to assist in resource inventory, plan development, site surveys, site monitoring, installation of practices, etc.	Hour	\$83.22	63	\$5,242.86
Labor	234	Supervisor or Manager	Labor involving supervision or management activities. Includes crew supervisors, foremen and farm/ranch managers time required for adopting new technology, etc.	Hour	\$41.68	24	\$1,000.32
Mobilization	1145	Mobilization, Supervisor or Manager	Mobilization of supervisors or management. Includes crew supervisors, foremen and farm/ranch managers, etc.	Hour	\$41.30	2	\$82.60
Mobilization	1141	Mobilization, Skilled labor	Mobilization of skilled labor: Includes carpenters, welders, electricians, conservation professionals involved with data collection, monitoring, and or record keeping, etc.	Hour	\$39.23	2	\$78.46
Mobilization	1140	Mobilization, large equipment	Equipment >150HP or typical weights greater than 30,000 pounds or loads requiring over width or over length permits.	Each	\$513.10	2	\$1,026.20
Mobilization	1137	Mobilization, very small equipment	Equipment that is small enough to be transported by a pick-up truck with typical weights less than 3,500 pounds. Can be multiple pieces of equipment if all hauled simultaneously.	Each	\$75.96	2	\$151.92

Acquisition of Technical Knowledge	294	Training, Workshops	Educational seminar or series of meetings emphasizing interaction and exchange of information among a usually small number of participants.	Each	\$116.67	1	\$116.67
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