

**Practice: 382 - Fence**

**Scenario # 1 Permanent Barbed Wire Multi Strand**

Missouri

**Scenario Description:**

Scenario is for the establishment of permanent multi strand barbed wire fence for livestock.

**Before Practice Situation:**

On grazing lands health and vigor are negatively impacted by poor grazing distribution, timing of grazing and inadequate rest and recovery periods. Water quality is impacted by increased erosion and runoff, cattle access to water bodies is uncontrolled. Reduced vegetative cover increases the opportunity for encroachment of noxious and invasive weeds. Fence installation conditions are for difficult sites such as poor access, steep slopes, rocky sites, dense brush, wet conditions etc.

**After Practice Situation:**

Installation of fence will allow for implementation of grazing management that allows for an adequate rest and recovery period, protection of sensitive area, improved water quality, reduction of noxious and invasive weeds. Fence includes posts, wire, fasteners, gates, brace posts, etc... Fence will be installed with wildlife friendly considerations. Associated Practices: Prescribed Grazing, Pipeline, Water Well, Spring Development, Heavy Use Area, Pumping Plant, Watering Facility, Forage and Biomass Planting, Critical Area Planting, Access Control

**Scenario Feature Measure:**

Length of Fence

<b>Scenario Typical Size:</b>	1320	Foot	Tot Unit Cost	\$2.17
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Cost Category	Component Name	Quantity	Unit	Unit Cost	Cost
Mobilization	Mobilization, small equipment	2	Each	\$136.80	\$273.60
Materials	Wire, Barbed, Galvanized, 12.5 Gauge, 1,320'	5	Each	\$63.52	\$317.60
Materials	Post, Wood, CCA treated, 3-4" x 7'	68	Each	\$9.04	\$614.72
Materials	Gate, Pipe, 16'	1	Each	\$219.68	\$219.68
Materials	Post, Wood, CCA treated, 5" x 8'	4	Each	\$15.72	\$62.88
Materials	Fence, Wire Assembly, Barbed Wire, 3 Strand	1320	Foot	\$0.16	\$211.20
Equip./Install.	Tractor, agricultural, 60 HP	12	Hour	\$19.28	\$231.36
Equip./Install.	Truck, Pickup	12	Hour	\$27.28	\$327.36
Equip./Install.	Auger, Post driver attachment	12	Hour	\$7.70	\$92.40
Labor	General Labor	24	Hour	\$21.56	\$517.44

Total Cost: \$2,868.24

**Payment types:**

PayType	Unit Payment	PayType	Unit Payment
EQIP	\$1.63	EQIP-HU	\$1.96
WHIP	\$1.63	WHIP-HU	\$1.96
EQIP-NOI	\$1.63	EQIP-HUNOI	\$1.96
EQIP-CCPI	\$1.63	EQIP-HUCCPI	\$1.96
EQIP-MRBI	\$1.63	EQIP-HUMRBI	\$1.96
WHIP-MRBI	\$1.63	WHIP-HUMRBI	\$1.96

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**Scenario # 2 Permanent High Tensile Electric 2-3 Strand**

**Scenario Description:**

**Missouri**

Scenario is for the installation of a permanent high tensile electric fence of either 2 or 3 strands. Fence will allow for implementation of a grazing management that allows for an adequate rest and recovery period, protection of sensitive area, improved water quality, reduction of noxious and invasive weeds. Constructed using fencing materials rather than a pre-manufactured gate.

**Before Practice Situation:**

On grazing lands health and vigor are negatively impacted by poor grazing distribution, timing of grazing and inadequate rest and recovery periods. Water quality is impacted by increased erosion and runoff, livestock access to water bodies is uncontrolled. Reduced vegetative cover increases opportunity for encroachment of noxious and invasive weeds.

**After Practice Situation:**

Installation of fence will allow for implementation of a rotational grazing plan that allows for an adequate rest and recovery period, protection of sensitive area, improved water quality, reduction of noxious and invasive weeds. This scenario consists of installing a permanent high tensile electric fence with 2-3 wires with wooden post of 50' centers, battens between the post, single H brace assemblies, energizer, and all apputenances. Associated Practices: Prescribed Grazing, Pipeline, Water Well, Spring Development, Heavy Use Area, Pumping Plant, Watering Facility, Forage and Biomass Planting, Critical Area Planting, Access Control

**Scenario Feature Measure:**

Length of Fence

**Scenario Typical Size:**

1320	Foot	Tot Unit Cost	\$1.56
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Cost Category	Component Name	Quantity	Unit	Unit Cost	Cost
Mobilization	Mobilization, small equipment	2	Each	\$136.80	\$273.60
Materials	Wire, High Tensile, 12.5 Gauge, 4,000' roll	2	Each	\$116.48	\$232.96
Materials	Post, Wood, CCA treated, 3-4" x 7'	29	Each	\$9.04	\$262.16
Materials	Fence, Wire Assembly, High Tensile, Electric, 2	1320	Foot	\$0.07	\$92.40
Materials	Gate, Pipe, 16'	1	Each	\$219.68	\$219.68
Materials	Post, Wood, CCA treated, 5" x 8'	4	Each	\$15.72	\$62.88
Materials	Electric, Energizer, 6 joule	1	Each	\$331.70	\$331.70
Equip./Install.	Tractor, agricultural, 60 HP	6	Hour	\$19.28	\$115.68
Equip./Install.	Truck, Pickup	6	Hour	\$27.28	\$163.68
Equip./Install.	Auger, Post driver attachment	6	Hour	\$7.70	\$46.20
Labor	General Labor	12	Hour	\$21.56	\$258.72

Total Cost: \$2,059.66

**Payment types:**

PayType	Unit Payment	PayType	Unit Payment
EQIP	\$1.17	EQIP-HU	\$1.40
WHIP	\$1.17	WHIP-HU	\$1.40
EQIP-NOI	\$1.17	EQIP-HUNOI	\$1.40
EQIP-CCPI	\$1.17	EQIP-HUCCPI	\$1.40
EQIP-MRBI	\$1.17	EQIP-HUMRBI	\$1.40
WHIP-MRBI	\$1.17	WHIP-HUMRBI	\$1.40

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**Scenario # 3 Permanent High Tensile Electric Single Strand**

**Missouri**

**Scenario Description:**

Scenario is for the installation of a permanent high tensile electric single strand fence. Installation of fence will allow for implementation of a grazing management that allows for an adequate rest and recovery period, protection of sensitive area, improved water quality, reduction of noxious and invasive weeds.

**Before Practice Situation:**

On grazing lands health and vigor are negatively impacted by poor grazing distribution, timing of grazing and inadequate rest and recovery periods. Water quality is impacted by increased erosion and runoff, cattle access to water bodies is uncontrolled. Reduced vegetative cover increases the opportunity for encroachment of noxious and invasive weeds.

**After Practice Situation:**

Installation of fence will allow for implementation of grazing management that allows for an adequate rest and recovery period, protection of sensitive area, improved water quality, reduction of noxious and invasive weeds. Fence includes posts, wire, fasteners, gates, fence charger, etc. Fence will be installed with wildlife friendly considerations. Associated Practices: Prescribed Grazing, Pipeline, Water Well, Spring Development, Heavy Use Area, Pumping Plant, Watering Facility, Forage and Biomass Planting, Critical Area Planting, Access Control

**Scenario Feature Measure:**

Length of Fence

<b>Scenario Typical Size:</b>	1320	Foot	Tot Unit Cost	\$1.00
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Cost Category	Component Name	Quantity	Unit	Unit Cost	Cost
Mobilization	Mobilization, small equipment	2	Each	\$136.80	\$273.60
Materials	Wire, High Tensile, 12.5 Gauge, 4,000' roll	1	Each	\$116.48	\$116.48
Materials	Post, Wood, CCA treated, 3-4" x 7'	24	Each	\$9.04	\$216.96
Materials	Fence, Wire Assembly, High Tensile, Electric, 1	1320	Foot	\$0.02	\$26.40
Materials	Post, Wood, CCA treated, 5" x 8'	4	Each	\$15.72	\$62.88
Materials	Electric, Energizer, 6 joule	1	Each	\$331.70	\$331.70
Equip./Install.	Tractor, agricultural, 60 HP	3	Hour	\$19.28	\$57.84
Equip./Install.	Truck, Pickup	3	Hour	\$27.28	\$81.84
Equip./Install.	Auger, Post driver attachment	3	Hour	\$7.70	\$23.10
Labor	General Labor	6	Hour	\$21.56	\$129.36

Total Cost: \$1,320.16

**Payment types:**

PayType	Unit Payment	PayType	Unit Payment
EQIP	\$0.75	EQIP-HU	\$0.90
WHIP	\$0.75	WHIP-HU	\$0.90
EQIP-NOI	\$0.75	EQIP-HUNOI	\$0.90
EQIP-CCPI	\$0.75	EQIP-HUCCPI	\$0.90
EQIP-MRBI	\$0.75	EQIP-HUMRBI	\$0.90
WHIP-MRBI	\$0.75	WHIP-HUMRBI	\$0.90

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**Scenario # 4 Permanent High Tensile, Minimum 4 Strand**

Missouri

**Scenario Description:**

Establishment of permanent electric or non-electric high tensile fence for livestock. Fence is designed using minimum of 4 strands with posts on 20 foot centers using single H bracing.

**Before Practice Situation:**

This practice will be installed on grazing land. The resource concerns to be addressed by this practice are poor grazing distribution, inadequate water supply, and degraded site conditions leading to poor animal health.

**After Practice Situation:**

Typical size for this scenario is 1320 feet. This scenario consists of installing a permanent high tensile fence with with a minimum of 4 wires with wooden posts on 20' centers and battens between the posts, single H brace assembles and all appurtenances. Cost represents typical situations for conventional, organic, and transitioning to organic producers. Associated Practices: Prescribed Grazing, Pipeline, Water Well, Spring Development, Heavy Use Area, Pumping Plant, Watering Facility, Forage and Biomass Planting, Critical Area

**Scenario Feature Measure:**

Length of Fence

<b>Scenario Typical Size:</b>	1320	Foot	Tot Unit Cost	\$1.83
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Cost Category	Component Name	Quantity	Unit	Unit Cost	Cost
Mobilization	Mobilization, General labor	4	Hour	\$21.81	\$87.24
Materials	Wire, High Tensile, 12.5 Gauge, 4,000' roll	2	Each	\$116.48	\$232.96
Materials	Post, Wood, CCA treated, 3-4" x 7'	68	Each	\$9.04	\$614.72
Materials	Fence, Wire Assembly, High Tensile, Electric, 2	1320	Foot	\$0.07	\$92.40
Materials	Gate, Pipe, 16'	1	Each	\$219.68	\$219.68
Materials	Post, Wood, CCA treated, 5" x 8'	4	Each	\$15.72	\$62.88
Materials	Electric, Energizer, 6 joule	1	Each	\$331.70	\$331.70
Equip./Install.	Tractor, agricultural, 60 HP	8	Hour	\$19.28	\$154.24
Equip./Install.	Truck, Pickup	8	Hour	\$27.28	\$218.24
Equip./Install.	Auger, Post driver attachment	8	Hour	\$7.70	\$61.60
Labor	General Labor	16	Hour	\$21.56	\$344.96

Total Cost: \$2,420.62

**Payment types:**

PayType	Unit Payment	PayType	Unit Payment
EQIP	\$1.38	EQIP-HU	\$1.65
WHIP	\$1.38	WHIP-HU	\$1.65
EQIP-NOI	\$1.38	EQIP-HUNOI	\$1.65
EQIP-CCPI	\$1.38	EQIP-HUCCPI	\$1.65
EQIP-MRBI	\$1.38	EQIP-HUMRBI	\$1.65
WHIP-MRBI	\$1.38	WHIP-HUMRBI	\$1.65

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**Scenario # 5 Permanent Woven Wire**

Missouri

**Scenario Description:**

Establishment of woven wire fence for livestock.

**Before Practice Situation:**

This practice will be installed on grazing land. The resource concerns to be addressed by this practice are poor grazing distribution, inadequate water supply, and degraded site conditions leading to poor animal health.

**After Practice Situation:**

Typical size for this scenario is 1320 feet. This scenario consists of installing a permanent woven wire fence with wooden posts of 20' centers and single H brace assemblies. Also includes one strand barbed top wire, and all appurtenances. Cost represents typical situations for conventional, organic, and transitioning to organic producers. Associated Practices: Prescribed Grazing, Pipeline, Water Well, Spring Development, Heavy Use Area, Pumping Plant, Watering Facility, Forage and Biomass Planting, Critical

**Scenario Feature Measure:**

Length of Fence

<b>Scenario Typical Size:</b>	1320	Foot	Tot Unit Cost	\$2.47
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Cost Category	Component Name	Quantity	Unit	Unit Cost	Cost
Mobilization	Mobilization, small equipment	2	Each	\$136.80	\$273.60
Materials	Wire, Barbed, Galvanized, 12.5 Gauge, 1,320'	1	Each	\$63.52	\$63.52
Materials	Wire, Woven, Galvanized, 12.5 Gauge, 48"	4	Each	\$201.52	\$806.08
Materials	Post, Wood, CCA treated, 3-4" x 7'	65	Each	\$9.04	\$587.60
Materials	Fence, Wire Assembly, Woven Wire	1320	Foot	\$0.12	\$158.40
Materials	Gate, Pipe, 16'	1	Each	\$219.68	\$219.68
Materials	Post, Wood, CCA treated, 5" x 8'	6	Each	\$15.72	\$94.32
Equip./Install.	Tractor, agricultural, 60 HP	12	Hour	\$19.28	\$231.36
Equip./Install.	Truck, Pickup	8	Hour	\$27.28	\$218.24
Equip./Install.	Auger, Post driver attachment	12	Hour	\$7.70	\$92.40
Labor	General Labor	24	Hour	\$21.56	\$517.44

Total Cost: \$3,262.64

**Payment types:**

PayType	Unit Payment	PayType	Unit Payment
EQIP	\$1.85	EQIP-HU	\$2.22
WHIP	\$1.85	WHIP-HU	\$2.22
EQIP-NOI	\$1.85	EQIP-HUNOI	\$2.22
EQIP-CCPI	\$1.85	EQIP-HUCCPI	\$2.22
EQIP-MRBI	\$1.85	EQIP-HUMRBI	\$2.22
WHIP-MRBI	\$1.85	WHIP-HUMRBI	\$2.22

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**Scenario # 6 Temporary/Portable Fence**

**Missouri**

**Scenario Description:**

Establishment of temporary or portable fence for livestock to facilitate a more intensive grazing system such as stockpiling or stripgrazing.

**Before Practice Situation:**

This practice will be installed on grazing land. The resource concerns to be addressed by this practice are poor grazing distribution, inadequate water supply, and degraded site conditions leading to poor animal health.

**After Practice Situation:**

Consists of installing a single strand polywire/polytape fence with step in/fiberglass posts on 50' centers, solar energizer, and all appurtenances. Cost represents typical situations for conventional, organic, and transitioning to organic producers. Associated Practices: Prescribed Grazing, Pipeline, Water Well, Spring Development, Heavy Use Area, Pumping Plant, Watering Facility, Forage and Biomass Planting, Critical Area Planting, Access Control

**Scenario Feature Measure:**

Length of Fence

<b>Scenario Typical Size:</b>	1320	Foot	Tot Unit Cost	\$0.50
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Cost Category	Component Name	Quantity	Unit	Unit Cost	Cost
Materials	Electric, Energizer, Solar	1	Each	\$315.85	\$315.85
Materials	Post, Fiberglass, 11/16" X 6'	26	Each	\$6.32	\$164.32
Materials	Wire, Polywire	2	Each	\$56.18	\$112.36
Equip./Install.	Truck, Pickup	1	Hour	\$27.28	\$27.28
Labor	General Labor	1	Hour	\$21.56	\$21.56
Mobilization	Mobilization, General labor	1	Hour	\$21.81	\$21.81

Total Cost: \$663.18

**Payment types:**

PayType	Unit Payment	PayType	Unit Payment
EQIP	\$0.38	EQIP-HU	\$0.45
WHIP	\$0.38	WHIP-HU	\$0.45
EQIP-NOI	\$0.38	EQIP-HUNOI	\$0.45
EQIP-CCPI	\$0.38	EQIP-HUCCPI	\$0.45
EQIP-MRBI	\$0.38	EQIP-HUMRBI	\$0.45
WHIP-MRBI	\$0.38	WHIP-HUMRBI	\$0.45