

**Scenario Worksheet**

Practice and Scenario Description:	
Information Type	Data
Region	Mid Atlantic
State	New Jersey
Discipline Group	Range/Pasture Grazing
Practice Code/Name	382 - Fence
Scenario ID	2
Scenario Name	Woven Wire

Scenario Description	<p>Woven - Installation of fence will allow for implementation of a grazing management system that allows for an adequate rest and recovery period, protection of sensitive areas, improved water quality, reduction of noxious and invasive weeds. Woven wire is typically used in applications with sheep, goats, wildlife exclusion, shelterbelt/tree protection, etc. Constructed using fencing materials rather than a pre-manufactured panels.</p> <p><b>Associated Practices:</b> Animal Trail or Walkway (575), Grass Waterway (412), Livestock Pipeline (516), Prescribed Grazing (528), Pond (378), Riparian Forest Buffer (391), Riparian Herbaceous Cover (390), Spring Development (574), Streambank or Shoreline Protection (580), Stream Crossing (578), Use Exclusion (472), Waste Water Treatment Strip (635), Water and Sediment Control Basin (638), Watering Facility (614), and Water Well (642)</p>
Before Practice Situation	<p>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 nutrient runoff, livestock access to water bodies is uncontrolled. Reduced vegetative cover increases opportunity for encroachment of noxious and invasive weeds.</p>
After Practice Situation	<p>Installation of fence will allow for implementation of a rotational grazing plan that allows for an adequate rest and recovery period, protection of sensitive areas, improved water quality, reduction of noxious and invasive weeds. Woven wire fence includes posts, wire, fasteners, gates, etc... <b>Woven wire is typically used in applications with sheep, goats, wildlife exclusion, shelterbelt/tree protection, etc.</b></p>
Scenario Feature Measure	Length of Fence
Scenario Unit	Foot
Scenario Typical Size	2640

Cost Summary:		
Cost Category	Scenario Cost	Scenario Cost/Unit
Materials	\$3,976.72	\$1.51
Equipment/Installation	\$239.01	\$0.09
Labor	\$1,614.59	\$0.61
Mobilization	\$330.39	\$0.13
Acquisition of Technical Knowledge	\$0.00	\$0.00
Foregone Income	\$0.00	\$0.00
Total	\$6,160.71	\$2.33



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**Practice and Scenario Description:**

Information Type	Data
Region	Mid Atlantic
State	New Jersey
Discipline Group	Range/Pasture Grazing
Practice Code/Name	382 - Fence
Scenario ID	3
Scenario Name	Electric 2 strand

**Scenario Description**

Electric - Installation of fence will allow for implementation of a grazing management system that allows for an adequate rest and recovery period, protection of sensitive areas, improved water quality, reduction of noxious and invasive weeds. Two strand electric wire is typically used in for dairy.

**Associated Practices:** Animal Trail or Walkway (575), Grass Waterway (412), Livestock Pipeline (516), Prescribed Grazing (528), Pond (378), Riparian Forest Buffer (391), Riparian Herbaceous Cover (390), Spring Development (574), Streambank or Shoreline Protection (580), Stream Crossing (578), Use Exclusion (472), Waste Water Treatment Strip (635), Water and Sediment Control Basin (638), Watering Facility (614), and Water Well (642)

**Before Practice Situation**

On grazinglands 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 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 energizer, etc... Fence will be installed with wildlife friendly considerations.

Scenario Feature Measure	Length of Fence
Scenario Unit	Feet
Scenario Typical Size	2000

**Cost Summary:**

Cost Category	Scenario Cost	Scenario Cost/Unit
Materials	\$1,996.90	\$1.00
Equipment/Installation	\$305.69	\$0.15
Labor	\$667.56	\$0.33
Mobilization	\$262.76	\$0.13
Acquisition of Technical Knowledge	\$0.00	\$0.00
Foregone Income	\$0.00	\$0.00
Total	\$3,232.90	\$1.62



**Scenario Worksheet**

Practice and Scenario Description:	
Information Type	Data
Region	Mid Atlantic
State	New Jersey
Discipline Group	Range/Pasture Grazing
Practice Code/Name	382 - Fence
Scenario ID	4
Scenario Name	Electric 3 strand

Scenario Description	<p>Electric - Installation of fence will allow for implementation of a grazing management system that allows for an adequate rest and recovery period, protection of sensitive areas, improved water quality, reduction of noxious and invasive weeds. Three strand electric wire is typically used in for beef or horses cattle. Typical pasture size is 100 acres, with 4,000 feet of fence.</p> <p><b>Associated Practices:</b> Animal Trail or Walkway (575), Grass Waterway (412), Livestock Pipeline (516), Prescribed Grazing (528), Pond (378), Riparian Forest Buffer (391), Riparian Herbaceous Cover (390), Spring Development (574), Streambank or Shoreline Protection (580), Stream Crossing (578), Use Exclusion (472), Waste Water Treatment Strip (635), Water and Sediment Control Basin (638), Watering Facility (614), and Water Well (642)</p>
Before Practice Situation	<p>On grazinglands 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 the opportunity for encroachment of noxious and invasive weeds.</p>
After Practice Situation	<p>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 energizer, etc... Fence will be installed with wildlife friendly considerations.</p>
Scenario Feature Measure	Length of fence
Scenario Unit	Foot
Scenario Typical Size	2000

Cost Summary:		
Cost Category	Scenario Cost	Scenario Cost/Unit
Materials	\$2,640.56	\$1.32
Equipment/Installation	\$412.37	\$0.21
Labor	\$939.04	\$0.47
Mobilization	\$262.76	\$0.13
Acquisition of Technical Knowledge	\$0.00	\$0.00
Foregone Income	\$0.00	\$0.00
Total	\$4,254.72	\$2.13



**Scenario Worksheet**

Practice and Scenario Description:	
Information Type	Data
Region	Mid Atlantic
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Discipline Group	Range/Pasture Grazing
Practice Code/Name	382 - Fence
Scenario ID	5
Scenario Name	Electric - 4 or more strands

Scenario Description	<p>Electric - Installation of fence will allow for implementation of a grazing management system that allows for an adequate rest and recovery period, protection of sensitive areas, improved water quality, reduction of noxious and invasive weeds. Three strand electric wire is typically used for goats, sheep, lamas, hogs or humans. Typical pasture size is 100 acres, with 4,000 feet of fence.</p> <p><b>Associated Practices:</b> Animal Trail or Walkway (575), Grass Waterway (412), Livestock Pipeline (516), Prescribed Grazing (528), Pond (378), Riparian Forest Buffer (391), Riparian Herbaceous Cover (390), Spring Development (574), Streambank or Shoreline Protection (580), Stream Crossing (578), Use Exclusion (472), Waste Water Treatment Strip (635), Water and Sediment Control Basin (638), Watering Facility (614), and Water Well (642)</p>
Before Practice Situation	On grazinglands 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 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 energizer, etc... Fence will be installed with wildlife friendly considerations.
Scenario Feature Measure	Length of fence
Scenario Unit	Foot
Scenario Typical Size	2000

Cost Summary:		
Cost Category	Scenario Cost	Scenario Cost/Unit
Materials	\$3,175.60	\$1.59
Equipment/Installation	\$919.05	\$0.46
Labor	\$1,152.79	\$0.58
Mobilization	\$296.58	\$0.15
Acquisition of Technical Knowledge	\$0.00	\$0.00
Foregone Income	\$0.00	\$0.00
Total	\$5,544.02	\$2.77



**Scenario Worksheet**

Practice and Scenario Description:	
Information Type	Data
Region	Mid Atlantic
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Discipline Group	Range/Pasture Grazing
Practice Code/Name	382 - Fence
Scenario ID	7
Scenario Name	Chain Link Safety

Scenario Description	<p>A chain link fence installed around a NRCS constructed waste storage system or heavy use area according to engineering design to exclude human or cattle access. Permanently installed fence built to keep humans away from waste ponds &amp; lagoons. Heavy grade fence materials and close post spacing required.</p> <p><b>Associated Practices:</b> Pond (378), Solid/Liquid Waste Separation Facility (632), Heavy Use Area Protection (561), Waste Storage Facility (313), Waste Transfer (634)</p>
Before Practice Situation	<p>Where a NRCS designed and constructed waste storage pond is planned causing significant risk to human safety. Livestock has access to sensitive areas that may cause detrimental effect to animal/human health and wildlife habitat. Resouce concerns affected are plant health and vigor, wildlife habitat, compaction of soils, runoff of sediment or water quality due to turbidity.</p>
After Practice Situation	<p>Humans and livestock are excluded from the waste storage pond for safety purposes by installing a fence around a waste holding pond. Alternatively, livestock are kept away from hydologically sensitive areas on on newly constructed heavy use area. The fence would typically be 200 feet long with one gate and installed by a fencing contractor. Chain link fence is used.</p>
Scenario Feature Measure	Length of Fence
Scenario Unit	Foot
Scenario Typical Size	200

Cost Summary:		
Cost Category	Scenario Cost	Scenario Cost/Unit
Materials	\$4,547.50	\$22.74
Equipment/Installation	\$52.32	\$0.26
Labor	\$226.32	\$1.13
Mobilization	\$0.00	\$0.00
Acquisition of Technical Knowledge	\$0.00	\$0.00
Foregone Income	\$0.00	\$0.00
Total	\$4,826.14	\$24.13

