

Practice: 315 - Herbaceous Weed Control

Scenario: #1 - Low Density

Scenario Description: Remove light infestations of herbaceous weeds using a mower, herbicide, or other state approved methods. Often used on land where weed management is accomplished by treating the field uniformly, such as with a rotary mower or boom sprayer.

Before Situation: Pasture or hayland contains herbaceous weeds such as bedstraw or yellow rattle. Forage quality, desirable species composition, and plant productivity is often low.

After Situation: Herbaceous weeds are managed to achieve the desirable plant community based on species composition, structure, density, and canopy cover or height.

Scenario Feature Measure: Acres treated

Scenario Unit: Acre

Scenario Typical Size: 5

Total Scenario Cost: \$366.08

Scenario Cost/Unit: \$73.22

Cost Details

| Component Name | Id | Description | Unit | Cost | Qty | Total |
|----------------|----|-------------|------|------|-----|-------|
|----------------|----|-------------|------|------|-----|-------|

Labor

| | | | | | | |
|----------------------------|-----|---|------|---------|-----|---------|
| Equipment Operators, Light | 232 | Includes: Skid Steer Loaders, Hydraulic Excavators <50 HP, Trenchers <12", Ag Equipment <150 HP, Pickup Trucks, Forklifts, Mulchers | Hour | \$25.96 | 2.5 | \$64.89 |
|----------------------------|-----|---|------|---------|-----|---------|

Equipment Installation

| | | | | | | |
|-----------------|-----|---|------|---------|-----|----------|
| Mower, Bush Hog | 940 | Equipment and power unit costs. Labor not included. | Hour | \$51.80 | 2.5 | \$129.49 |
|-----------------|-----|---|------|---------|-----|----------|

Mobilization

| | | | | | | |
|-------------------------------|------|--|------|----------|---|----------|
| Mobilization, small equipment | 1138 | Equipment <70 HP but can't be transported by a pick-up truck or with typical weights between 3,500 to 14,000 pounds. | Each | \$171.69 | 1 | \$171.69 |
|-------------------------------|------|--|------|----------|---|----------|

Practice: 315 - Herbaceous Weed Control

Scenario: #2 - Low Density with Follow Up

Scenario Description: Remove light infestations of herbaceous weeds using a mower, herbicide, or other state approved methods. Often used on land where weed management is accomplished by treating the field uniformly, such as with a rotary mower or boom sprayer. This scenario includes a follow up treatment to control re-sprout of the weeds after practice certification.

Before Situation: Pasture or hayland contains herbaceous weeds such as bedstraw or yellow rattle. Forage quality, desirable species composition, and plant productivity is often low.

After Situation: Herbaceous weeds are managed to achieve the desirable plant community based on species composition, structure, density, and canopy cover or height.

Scenario Feature Measure: Acres treated

Scenario Unit: Acre

Scenario Typical Size: 5

Total Scenario Cost: \$654.41

Scenario Cost/Unit: \$130.88

Cost Details

| Component Name | Id | Description | Unit | Cost | Qty | Total |
|----------------|----|-------------|------|------|-----|-------|
|----------------|----|-------------|------|------|-----|-------|

Labor

| | | | | | | |
|----------------------------|-----|---|------|---------|---|----------|
| Equipment Operators, Light | 232 | Includes: Skid Steer Loaders, Hydraulic Excavators <50 HP, Trenchers <12", Ag Equipment <150 HP, Pickup Trucks, Forklifts, Mulchers | Hour | \$25.96 | 4 | \$103.83 |
|----------------------------|-----|---|------|---------|---|----------|

Equipment Installation

| | | | | | | |
|-----------------|-----|---|------|---------|---|----------|
| Mower, Bush Hog | 940 | Equipment and power unit costs. Labor not included. | Hour | \$51.80 | 4 | \$207.19 |
|-----------------|-----|---|------|---------|---|----------|

Mobilization

| | | | | | | |
|-------------------------------|------|--|------|----------|---|----------|
| Mobilization, small equipment | 1138 | Equipment <70 HP but can't be transported by a pick-up truck or with typical weights between 3,500 to 14,000 pounds. | Each | \$171.69 | 2 | \$343.39 |
|-------------------------------|------|--|------|----------|---|----------|

Practice: 315 - Herbaceous Weed Control

Scenario: #3 - Moderate Density

Scenario Description: Remove moderate infestations of herbaceous weeds using state approved chemical/mechanical methods. Often used on smaller areas of land where weed management is accomplished using chemical application (with backpack or other types of sprayers) in combination with manual cutting.

Before Situation: Area consists of moderate stands of invasive weeds degrading health and vigor of native herbaceous species and degrading wildlife habitat.

After Situation: Herbaceous weeds are removed to achieve the desirable plant community based on species composition, structure, density, and canopy cover or height. Ecological site condition is progressing in an upward trend, hydrology and plant health and vigor is returning to near normal levels, and improved wildlife habitat.

Scenario Feature Measure: Acres treated

Scenario Unit: Acre

Scenario Typical Size: 1

Total Scenario Cost: \$292.02

Scenario Cost/Unit: \$292.02

Cost Details

| Component Name | Id | Description | Unit | Cost | Qty | Total |
|----------------|----|-------------|------|------|-----|-------|
|----------------|----|-------------|------|------|-----|-------|

Materials

| | | | | | | |
|-----------------------|------|---|------|---------|---|---------|
| Herbicide, Surfactant | 1095 | Surfactants reduce the surface tension of water to produce more uniform coverage and penetration of herbicides, and weed killers. Paraffin Based Petroleum Surfactant. Refer to WIN-PST for product names and active ingredients. Includes materials and shipping only. | Acre | \$1.30 | 1 | \$1.30 |
| Herbicide, Triclopyr | 338 | Refer to WIN-PST for product names and active ingredients. Materials and shipping | Acre | \$42.30 | 1 | \$42.30 |

Equipment Installation

| | | | | | | |
|---|-----|---|------|---------|---|----------|
| Chemical, spot treatment, single stem application | 964 | Ground applied chemical to individual plants or group of plants, e.g., backpack sprayer treatment. Equipment and labor cost included. | Hour | \$59.31 | 3 | \$177.93 |
|---|-----|---|------|---------|---|----------|

Mobilization

| | | | | | | |
|------------------------------------|------|--|------|---------|---|---------|
| Mobilization, very small equipment | 1137 | 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 | \$70.49 | 1 | \$70.49 |
|------------------------------------|------|--|------|---------|---|---------|

Practice: 315 - Herbaceous Weed Control

Scenario: #4 - Moderate Density with Follow Up

Scenario Description: Remove moderate infestations of herbaceous weeds using state approved chemical/mechanical methods. Often used on smaller areas of land where weed management is accomplished using chemical application (with backpack or other types of sprayers) in combination with manual cutting. This scenario includes a follow up "spot treatment" to control re-sprout of the weeds after practice certification.

Before Situation: Area consists of moderate stands of invasive weeds degrading health and vigor of native herbaceous species and degrading wildlife habitat.

After Situation: Herbaceous weeds are removed to achieve the desirable plant community based on species composition, structure, density, and canopy cover or height. Ecological site condition is progressing in an upward trend, hydrology and plant health and vigor is returning to near normal levels, and improved wildlife habitat.

Scenario Feature Measure: Acres treated

Scenario Unit: Acre

Scenario Typical Size: 1

Total Scenario Cost: \$473.27

Scenario Cost/Unit: \$473.27

Cost Details

| Component Name | Id | Description | Unit | Cost | Qty | Total |
|----------------|----|-------------|------|------|-----|-------|
|----------------|----|-------------|------|------|-----|-------|

Materials

| | | | | | | |
|-----------------------|------|---|------|---------|-----|---------|
| Herbicide, Surfactant | 1095 | Surfactants reduce the surface tension of water to produce more uniform coverage and penetration of herbicides, and weed killers. Paraffin Based Petroleum Surfactant. Refer to WIN-PST for product names and active ingredients. Includes materials and shipping only. | Acre | \$1.30 | 1.5 | \$1.94 |
| Herbicide, Triclopyr | 338 | Refer to WIN-PST for product names and active ingredients. Materials and shipping | Acre | \$42.30 | 1.5 | \$63.45 |

Equipment Installation

| | | | | | | |
|---|-----|---|------|---------|-----|----------|
| Chemical, spot treatment, single stem application | 964 | Ground applied chemical to individual plants or group of plants, e.g., backpack sprayer treatment. Equipment and labor cost included. | Hour | \$59.31 | 4.5 | \$266.90 |
|---|-----|---|------|---------|-----|----------|

Mobilization

| | | | | | | |
|------------------------------------|------|--|------|---------|---|----------|
| Mobilization, very small equipment | 1137 | 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 | \$70.49 | 2 | \$140.98 |
|------------------------------------|------|--|------|---------|---|----------|

Practice: 315 - Herbaceous Weed Control

Scenario: #5 - Intensive

Scenario Description: Remove dense infestations of herbaceous weeds, such as phragmites and knotweed, using state approved chemical/mechanical methods. Often used on small areas of land where weed management is accomplished using intensive management techniques, such as chemical application (with backpack or other types of sprayers) in combination with manual/machine cutting.

Before Situation: Area consist of excessive stands of herbaceous weeds degrading health and vigor of native herbaceous species promoting noxious and invasive species and degrading wildlife habitat.

After Situation: Herbaceous weeds are removed to achieve the desirable plant community based on species composition, structure, density, and canopy cover or height. Ecological site condition is progressing in an upward trend, hydrology and plant health and vigor is returning to near normal levels, and improved wildlife habitat.

Scenario Feature Measure: Acres treated

Scenario Unit: Acre

Scenario Typical Size: 1

Total Scenario Cost: \$646.36

Scenario Cost/Unit: \$646.36

Cost Details

| Component Name | Id | Description | Unit | Cost | Qty | Total |
|----------------|----|-------------|------|------|-----|-------|
|----------------|----|-------------|------|------|-----|-------|

Materials

| | | | | | | |
|-----------------------|------|---|------|---------|---|---------|
| Herbicide, Surfactant | 1095 | Surfactants reduce the surface tension of water to produce more uniform coverage and penetration of herbicides, and weed killers. Paraffin Based Petroleum Surfactant. Refer to WIN-PST for product names and active ingredients. Includes materials and shipping only. | Acre | \$1.30 | 1 | \$1.30 |
| Herbicide, Triclopyr | 338 | Refer to WIN-PST for product names and active ingredients. Materials and shipping | Acre | \$42.30 | 1 | \$42.30 |

Equipment Installation

| | | | | | | |
|---|-----|---|------|---------|---|----------|
| Chemical, spot treatment, single stem application | 964 | Ground applied chemical to individual plants or group of plants, e.g., backpack sprayer treatment. Equipment and labor cost included. | Hour | \$59.31 | 3 | \$177.93 |
| Mechanical cutter, chopper | 943 | Forestry mulcher, flail shredder, hydro axe, brush cutter, etc. Equipment and power unit costs. Labor not included. | Hour | \$84.38 | 3 | \$253.14 |

Mobilization

| | | | | | | |
|-------------------------------|------|--|------|----------|---|----------|
| Mobilization, small equipment | 1138 | Equipment <70 HP but can't be transported by a pick-up truck or with typical weights between 3,500 to 14,000 pounds. | Each | \$171.69 | 1 | \$171.69 |
|-------------------------------|------|--|------|----------|---|----------|

Practice: 315 - Herbaceous Weed Control

Scenario: #6 - High Density with Follow Up

Scenario Description: Remove dense infestations of herbaceous weeds, such as phragmites and knotweed, using state approved chemical/mechanical methods. Often used on small areas of land where weed management is accomplished using intensive management techniques, such as chemical application (with backpack or other types of sprayers) in combination with manual/machine cutting. This scenario includes a follow up "spot treatment" to control re-sprout of the weeds after practice certification.

Before Situation: Area consist of excessive stands of herbaceous weeds degrading health and vigor of native herbaceous species promoting noxious and invasive species and degrading wildlife habitat.

After Situation: Herbaceous weeds are removed to achieve the desirable plant community based on species composition, structure, density, and canopy cover or height. Ecological site condition is progressing in an upward trend, hydrology and plant health and vigor is returning to near normal levels, and improved wildlife habitat.

Scenario Feature Measure: Acres treated

Scenario Unit: Acre

Scenario Typical Size: 1

Total Scenario Cost: \$827.62

Scenario Cost/Unit: \$827.62

Cost Details

| Component Name | Id | Description | Unit | Cost | Qty | Total |
|----------------|----|-------------|------|------|-----|-------|
|----------------|----|-------------|------|------|-----|-------|

Materials

| | | | | | | |
|-----------------------|------|---|------|---------|-----|---------|
| Herbicide, Surfactant | 1095 | Surfactants reduce the surface tension of water to produce more uniform coverage and penetration of herbicides, and weed killers. Paraffin Based Petroleum Surfactant. Refer to WIN-PST for product names and active ingredients. Includes materials and shipping only. | Acre | \$1.30 | 1.5 | \$1.94 |
| Herbicide, Triclopyr | 338 | Refer to WIN-PST for product names and active ingredients. Materials and shipping | Acre | \$42.30 | 1.5 | \$63.45 |

Equipment Installation

| | | | | | | |
|---|-----|---|------|---------|-----|----------|
| Chemical, spot treatment, single stem application | 964 | Ground applied chemical to individual plants or group of plants, e.g., backpack sprayer treatment. Equipment and labor cost included. | Hour | \$59.31 | 4.5 | \$266.90 |
| Mechanical cutter, chopper | 943 | Forestry mulcher, flail shredder, hydro axe, brush cutter, etc. Equipment and power unit costs. Labor not included. | Hour | \$84.38 | 3 | \$253.14 |

Mobilization

| | | | | | | |
|------------------------------------|------|--|------|----------|---|----------|
| Mobilization, small equipment | 1138 | Equipment <70 HP but can't be transported by a pick-up truck or with typical weights between 3,500 to 14,000 pounds. | Each | \$171.69 | 1 | \$171.69 |
| Mobilization, very small equipment | 1137 | 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 | \$70.49 | 1 | \$70.49 |