

Practice: 314 - Brush Management

Scenario: #1 - Light Brush Management

Scenario Description: Light brush management is used on non-cropland acres (including forestland, pasture, and wildlife areas) where less than 10% canopy cover across the treatment area is in undesirable non-herbaceous cover, and the treatment area is less than 18% slope on average. Payment is based on impacted acres only. Treatment may consist of chemical, mechanical, manual, or a combination of methods. Cost represents typical situations for conventional, organic, and transitioning to organic producers. For organic land, chemical applications must be OMRI approved chemicals.

Before Situation: Non-cropland acres consisting of a percentage of undesirable species such as (but not limited to) Amur cork tree, Siberian elm, callery pear, autumn olive, multiflora rose, barberry, burning bush, honeysuckle, or periwinkle that must be controlled. Undesirable species can contribute to degraded plant condition, inadequate feed & forage, and potential animal health issues.

After Situation: Undesireable non-herbaceous species are controlled with a pass with a brush hog over the treatment area followed by spot chemical treatment. The treatment area is mechanically treated early in the growing season to reduce above ground biomass. The treated plants will readily resprout, and after adequate re-sprouting occurs herbicide will be applied to the new growth. This combined treatment will allow better access for the herbicide application equipment, better coverage on target plants, and less overall herbicide applied.

Scenario Feature Measure: Acres treated

Scenario Unit: Acre

Scenario Typical Size: 25

Total Scenario Cost: \$1,165.80

Scenario Cost/Unit: \$46.63

Cost Details

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

Labor

| | | | | | | |
|---------------|-----|--|------|---------|---|----------|
| General Labor | 231 | 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 | \$21.71 | 8 | \$173.67 |
|---------------|-----|--|------|---------|---|----------|

Materials

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|----------------------|-----|---|------|---------|-----|----------|
| Herbicide, Triclopyr | 338 | Refer to WIN-PST for product names and active ingredients. Materials and shipping | Acre | \$42.30 | 2.5 | \$105.75 |
|----------------------|-----|---|------|---------|-----|----------|

Equipment Installation

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|---|-----|---|------|---------|---|----------|
| 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 | \$58.46 | 8 | \$467.70 |
| Mower, Bush Hog | 940 | Equipment and power unit costs. Labor not included. | Hour | \$51.06 | 6 | \$306.34 |
| Truck, Pickup | 939 | Equipment and power unit costs. Labor not included. | Hour | \$21.43 | 2 | \$42.86 |

Mobilization

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|------------------------------------|------|--|------|---------|---|---------|
| 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 | \$69.48 | 1 | \$69.48 |
|------------------------------------|------|--|------|---------|---|---------|

Practice: 314 - Brush Management

Scenario: #2 - Medium Brush Management

Scenario Description: Medium brush management is used on non-cropland acres (including forestland, pasture, and wildlife areas) where 10% - 39% canopy cover across the treatment area is in undesirable non-herbaceous cover, and the treatment area is less than 18% slope on average. Payment is based on impacted acres only. Treatment may consist of chemical, mechanical, manual, or a combination of methods. Cost represents typical situations for conventional, organic, and transitioning to organic producers. For organic land, chemical applications must be OMRI approved chemicals.

Before Situation: Non-cropland acres consisting of a percentage of undesirable species such as (but not limited to) Amur cork tree, Siberian elm, callery pear, autumn olive, multiflora rose, barberry, burning bush, honeysuckle, or periwinkle that must be controlled. Undesirable species can contribute to degraded plant condition, inadequate feed &forage, and potential animal health issues.

After Situation: Undesireable non-herbaceous species are controlled with a pass with a brush hog over the treatment area followed by spot chemical treatment. The treatment area is mechanically treated early in the growing season to reduce above ground biomass. The treated plants will readily resprout, and after adequate re-sprouting occurs herbicide will be applied to the new growth. This combined treatment will allow better access for the herbicide application equipment, better coverage on target plants, and less overall herbicide applied.

Scenario Feature Measure: Acres planned

Scenario Unit: Acre

Scenario Typical Size: 25

Total Scenario Cost: \$1,930.81

Scenario Cost/Unit: \$77.23

Cost Details

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

Labor

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|---------------|-----|--|------|---------|----|----------|
| General Labor | 231 | 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 | \$21.71 | 14 | \$303.92 |
|---------------|-----|--|------|---------|----|----------|

Materials

| | | | | | | |
|----------------------|-----|---|------|---------|-----|----------|
| Herbicide, Triclopyr | 338 | Refer to WIN-PST for product names and active ingredients. Materials and shipping | Acre | \$42.30 | 7.5 | \$317.24 |
|----------------------|-----|---|------|---------|-----|----------|

Equipment Installation

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|---|-----|---|------|---------|----|----------|
| 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 | \$58.46 | 10 | \$584.63 |
| Mower, Bush Hog | 940 | Equipment and power unit costs. Labor not included. | Hour | \$51.06 | 12 | \$612.68 |
| Truck, Pickup | 939 | Equipment and power unit costs. Labor not included. | Hour | \$21.43 | 2 | \$42.86 |

Mobilization

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|------------------------------------|------|--|------|---------|---|---------|
| 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 | \$69.48 | 1 | \$69.48 |
|------------------------------------|------|--|------|---------|---|---------|

Practice: 314 - Brush Management

Scenario: #3 - High Brush Management

Scenario Description: High brush management is used on non-cropland acres (including forestland, pasture, and wildlife areas) where 40%-60% canopy cover across the treatment area is in undesirable non-herbaceous cover, or the treatment area is on land with 18% - 25% slopes on average regardless of percent cover of undesirable species. Payment is based on impacted acres only. Treatment may consist of chemical, mechanical, manual, or a combination of methods. Cost represents typical situations for conventional, organic, and transitioning to organic producers. For organic land, chemical applications must be OMRI approved chemicals.

Before Situation: Non-cropland acres consisting of a percentage of undesirable species such as (but not limited to) Tree of heaven, Paulownia (princess tree), honeysuckle, Japanese knotweed, privet, or wintercreeper, that must be controlled. Undesirable species can contribute to degraded plant condition, inadequate feed & forage, and potential animal health issues.

After Situation: Undesirable non-herbaceous species are controlled with a combination of manual chainsawing, pass with a brush hog over the treatment area, and spot chemical treatment. The treatment area is mechanically treated early in the growing season to reduce above ground biomass. The treated plants will readily resprout, and after adequate re-sprouting occurs herbicide will be applied to the new growth. This combined treatment will allow better access for the herbicide application equipment, better coverage on target plants, and less overall herbicide applied.

Scenario Feature Measure: Acres planned

Scenario Unit: Acre

Scenario Typical Size: 25

Total Scenario Cost: \$4,616.51

Scenario Cost/Unit: \$184.66

Cost Details

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

Labor

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|---------------|-----|--|------|---------|----|------------|
| General Labor | 231 | 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 | \$21.71 | 65 | \$1,411.07 |
|---------------|-----|--|------|---------|----|------------|

Materials

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|----------------------|-----|---|------|---------|----|----------|
| Herbicide, Triclopyr | 338 | Refer to WIN-PST for product names and active ingredients. Materials and shipping | Acre | \$42.30 | 15 | \$634.48 |
|----------------------|-----|---|------|---------|----|----------|

Equipment Installation

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|---|-----|---|------|---------|----|------------|
| Chainsaw | 937 | Equipment and power unit costs. Labor not included. | Hour | \$4.30 | 8 | \$34.36 |
| 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 | \$58.46 | 24 | \$1,403.11 |
| Mower, Bush Hog | 940 | Equipment and power unit costs. Labor not included. | Hour | \$51.06 | 20 | \$1,021.13 |
| Truck, Pickup | 939 | Equipment and power unit costs. Labor not included. | Hour | \$21.43 | 2 | \$42.86 |

Mobilization

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|------------------------------------|------|--|------|---------|---|---------|
| 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 | \$69.48 | 1 | \$69.48 |
|------------------------------------|------|--|------|---------|---|---------|

Practice: 314 - Brush Management

Scenario: #4 - Very High Brush Management

Scenario Description: High brush management is used on non-cropland acres (including forestland, pasture, and wildlife areas) where greater than 60% canopy cover across the treatment area is in undesirable non-herbaceous cover, or the treatment area is on land with greater than 25% slopes on average regardless of percent cover of undesirable species. Payment is based on impacted acres only. Treatment may consist of chemical, mechanical, manual, or a combination of methods. Cost represents typical situations for conventional, organic, and transitioning to organic producers. For organic land, chemical applications must be OMRI approved chemicals.

Before Situation: Non-cropland acres consisting of a percentage of undesirable species such as (but not limited to) Tree of heaven, Paulownia (princess tree), honeysuckle, Japanese knotweed, privet, or wintercreeper, that must be controlled. Undesirable species can contribute to degraded plant condition, inadequate feed & forage, and potential animal health issues.

After Situation: Undesirable non-herbaceous species are controlled with a combination of manual chainsawing, pass with a brush hog over the treatment area, and spot chemical treatment. The treatment area is mechanically treated early in the growing season to reduce above ground biomass. The treated plants will readily resprout, and after adequate re-sprouting occurs herbicide will be applied to the new growth. This combined treatment will allow better access for the herbicide application equipment, better coverage on target plants, and less overall herbicide applied.

Scenario Feature Measure: Acres planned

Scenario Unit: Acre

Scenario Typical Size: 25

Total Scenario Cost: \$7,546.89

Scenario Cost/Unit: \$301.88

Cost Details

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

Labor

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|---------------|-----|--|------|---------|----|------------|
| General Labor | 231 | 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 | \$21.71 | 88 | \$1,910.38 |
|---------------|-----|--|------|---------|----|------------|

Materials

| | | | | | | |
|----------------------|-----|---|------|---------|----|------------|
| Herbicide, Triclopyr | 338 | Refer to WIN-PST for product names and active ingredients. Materials and shipping | Acre | \$42.30 | 25 | \$1,057.47 |
|----------------------|-----|---|------|---------|----|------------|

Equipment Installation

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|---|-----|---|------|---------|----|------------|
| Chainsaw | 937 | Equipment and power unit costs. Labor not included. | Hour | \$4.30 | 20 | \$85.91 |
| 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 | \$58.46 | 40 | \$2,338.52 |
| Mower, Bush Hog | 940 | Equipment and power unit costs. Labor not included. | Hour | \$51.06 | 40 | \$2,042.27 |
| Truck, Pickup | 939 | Equipment and power unit costs. Labor not included. | Hour | \$21.43 | 2 | \$42.86 |

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 | \$69.48 | 1 | \$69.48 |
|------------------------------------|------|--|------|---------|---|---------|

Practice: 314 - Brush Management

Scenario: #6 - Glade/Savanna Restoration

Scenario Description: Removing or reducing woody plant canopy and utilizing chemical treatment (except for non-sprouting woody species) to promote herbaceous growth to restore and manage glades/savannas. Facilitating practices may include but not limited to: Early Successional Habitat Management/Development (647), Prescribed Burning (338), Restoration and Management of Rare and Declining Habitats (643), and Conservation Cover (327).

Before Situation: The understory has a minimal amount of herbaceous and early woody successional vegetation. Wildlife food, cover, and shelter are lacking, and woody cover control is needed to manage for associated wildlife species that benefit from habitats such as glades/savannas.

After Situation: The glade/savanna habitat is restored and flora and fauna that depend on the glade/savanna habitat flourish.

Scenario Feature Measure: area of opening

Scenario Unit: Acre

Scenario Typical Size: 2

Total Scenario Cost: \$640.23

Scenario Cost/Unit: \$320.11

Cost Details

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

Labor

| | | | | | | |
|---------------|-----|--|------|---------|----|----------|
| General Labor | 231 | 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 | \$21.71 | 21 | \$455.89 |
|---------------|-----|--|------|---------|----|----------|

Materials

| | | | | | | |
|---------------------|-----|--|------|---------|---|---------|
| Herbicide, Picloram | 337 | Refer to WIN-PST for product names and active ingredients. Includes materials and shipping only. | Acre | \$18.77 | 2 | \$37.54 |
|---------------------|-----|--|------|---------|---|---------|

Equipment Installation

| | | | | | | |
|----------|-----|---|------|--------|----|---------|
| Chainsaw | 937 | Equipment and power unit costs. Labor not included. | Hour | \$4.30 | 18 | \$77.32 |
|----------|-----|---|------|--------|----|---------|

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 | \$69.48 | 1 | \$69.48 |
|------------------------------------|------|--|------|---------|---|---------|