

U.S. Department of Agriculture



***List of Eligible Practices
and
Payment Schedule
Wisconsin***

Wildlife Habitat Incentive Program FY 11

November, 2010

**Wildlife Habitat Incentive Program
Wisconsin List of Eligible Practices**

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BRUSH MANAGEMENT 314
Acre

Purpose: To improve or restore a quality plant cover to (1) reduce sediment and improve water quality, (2) increase quality and production of desirable plants for livestock and wildlife, (3) maintain or increase wildlife habitat values.

Applicability: (1) On brush-infested land having the potential to produce desirable native or adapted forage plants; (2) where adjustments in grazing management alone will not restore the kind of plant cover needed to attain conservation objectives within a reasonable time; (3) where brush management will improve areas for wildlife.

In forested settings, a forest management plan must be developed prior to practice implementation. The plan must specifically state that this practice is needed to address a resource concern.

IF APPLICATION RECEIVED UNDER ORGANIC INITIATIVE SIGN-UP FOR A FORESTED SETTING, PRACTICE MUST BE IN SUPPORT OF ORGANIC MAPLE SYRUP PRODUCTION.

Payment Schedule: Payment rate per scenario, as shown in the table below.

No.	Scenario	Unit	Limit	Payment Rate
1	Brush Management, Light	Acre		\$ 77
2	Brush Management, Medium	Acre		\$134
3	Brush Management, Medium, >30% slopes	Acre		\$225
4	Brush Management, Heavy	Acre		\$294
5	Brush Management, Heavy, >30% slopes	Acre		\$450

Limitations: Cost-sharing is limited to the installing the conservation practice to the extent necessary to meet the resource concerns addressed by the conservation plan.

Use Brush Control Light on sites where up to 15% of the area is stocked with brush and woody cover of stems 0 to 2 inches in diameter at the ground line.

Use Brush Control Medium on sites where more than 15 % and up to 40 % of the area is stocked with woody vegetation 0 to 2 inches in diameter at the ground line.

Use Brush Control Medium, >30% slopes only where slopes are field verified, or indicated by soil map unit, as being greater than 30%.

Use Brush Control Heavy on sites where more than 40 % of the area is stocked with woody vegetation 0 to 2 inches in diameter and up to 25 stems per acre larger than 2 inches in diameter at the ground line.

Use Brush Control Heavy, >30% slopes only where slopes are field verified, indicated by soil map unit, as being greater than 30%.

Maintenance: Practice will be maintained for a lifespan of 1 year following installation.

Note: Prescribed Burning (Practice 338) may be used in conjunction with brush management.

CONSERVATION COVER 327
Acres

Purpose: To create or enhance perennial vegetative cover for wildlife.

Applicability: On land retired from agricultural production, or that will be retired from production as a result of this practice, that is suitable for planting perennial vegetation.

Payment Schedule: Payment rate per scenario as shown in the table below.

No.	Scenario	Unit	Limit	Payment Rate
1	Cool Season Mixture	Acre		\$247.00
2	Warm Season Mixture	Acre		\$281.00

Limitations: Financial assistance is limited to installing the conservation practice to the extent necessary to meet the resource concerns addressed by the planning objectives. Must be a 2.5 acre minimum size.

Maintenance: Practice will be maintained for a lifespan of 5 years after year of installation.

The following Cool Season seed mixes are beneficial to **pollinators** and are encouraged and approved for use with this practice. Other seed mixes which meet the 327 standard are also acceptable.

Mix 1		Mix 2 (North of Hwy. 29)	
Timothy	3 lbs.	Birdsfoot Trefoil	4 lbs.
Red Clover	2 lbs.	Red Top	2 lbs.
Ladino Clover	1 lbs.		

The following Warm Season seed mixes are beneficial to **pollinators** and are encouraged and approved for use with this practice. Other seed mixes which meet the 327 standard are also acceptable.

Dry Mix		Mesic Mix		Wet Mesic on Mineral Soils	
Big Bluestem	15 oz.	Big Bluestem	16 oz.	Big Bluestem	30 oz.
Switchgrass	16 oz.	Little Bluestem	32 oz.	Switchgrass	32 oz.
Little Bluestem	20 oz.	Indian Grass	16 oz.	Prairie Cordgrass	2 oz.
Indian Grass	12 oz.	White Wild Indigo	2 oz.	Marsh milkweed	2 oz.
Prairie Dropseed	1 oz.	Pale Purple Coneflower	2 oz.	New England Aster	1 oz.
Butterfly Milkweed	1 oz.	Rattlesnake Master	2 oz.	White Wild Indigo	2 oz.
Purple Prairie Clover	2 oz.	Showy Sunflower	2 oz.	Marsh Marigold	0.5 oz.
Rattlesnake Master	3 oz.	Prairie Blazing Star	1 oz.	Joe-pye weed	1 oz.
Rough Blazing Star	1 oz.	Wild Lupine	1.5 oz.	Marsh Blazing Star	1 oz.
Wild Lupine	1.5 oz.	Wild Bergamot	0.5 oz.	Great Blue Lobelia	0.5 oz.
Wild Bergamot	0.5 oz.	Smooth Penstemon	2 oz.	Wild Bergamot	0.5 oz.
Spotted Mint	0.5 oz.	Showy Goldenrod	0.5 oz.	Common Ironweed	2 oz.
Smooth Penstemon	1 oz.	Culver's Root	0.2 oz.	Culver's Root	0.2 oz.
Showy Goldenrod	0.5 oz.				
Spiderwort	1 oz.				
Substitute Forbs		Substitute Forbs		Substitute Forbs	
Smooth Blue Aster	0.5 oz.	Butterfly Milkweed	2 oz.	Wild Senna	5 oz.
Pale Purple Coneflower	3 oz.	New England Aster	2 oz.	Boneset	0.2 oz.
Showy Sunflower	2 oz.	Purple Prairie Clover	6 oz.	Winged Loosestrife	0.1 oz.
Stiff Goldenrod	1 oz.	Stiff Goldenrod	1 oz.	Cup Plant	3 oz.
		Spiderwort	3 oz.	Ohio Goldenrod	0.5 oz.

**CRITICAL AREA PLANTING 342
Acre**

Purpose: To stabilize the soil, reduce damage from sediment and runoff to downstream areas, and improve wildlife habitat and visual resources.

Applicability: On highly erodible or critically eroding areas. These areas usually cannot be stabilized by ordinary conservation treatment and management and if left untreated can cause severe erosion or sediment damage. Examples of applicable areas are dams, dikes, mine spoil, levees, cuts, fills, surface-mined areas, and denuded or gullied areas where vegetation is difficult to establish by usual planting methods.

Payment Schedule: Payment rate per scenario as shown in the table below.

No.	Scenario	Unit	Limit	Payment Rate
1	Critical Area Planting, Cool Season Cover	Acre		\$125
2	Critical Area Planting, Warm Season Cover	Acre		\$150
3	Critical Area Planting, Cool Season Cover with Slope Stabilization	Acre		\$670
4	Critical Area Planting, Warm Season Cover with Slope Stabilization	Acre		\$695
5	Channel Seeding and Shaping, Less than 4' Average Bank Height ¹	Ft.		\$3.41
6	Channel Seeding and Shaping, Less than 4' Average Bank Height with Spoil Removal from the Floodplain ¹	Ft.		\$6.34
7	Channel Seeding and Shaping, 4' or More Average Bank Height ¹	Ft.		\$5.03
8	Channel Seeding and Shaping, 4' or More Average Bank Height with Spoil Removal from the Floodplain ¹	Ft.		\$13.58

Slope stabilization is limited to establishing a stable slope on a site where it does not otherwise exist. It is NOT intended for use with critical area planting in seeding other structural practices.

¹**Scenarios 5-8** apply to 1) establishing vegetation on channel banks, berms, spoil, and associated areas above the bank zone, (OHWM) 2) reducing potential for mass gravity failure of channel banks, and 3) reshaping channel banks to increase cross-sectional geometry above the bank zone. **Channel Bank Height measured from the top of the bank zone (OHWM) to top of shaped bank.** Units are to be measured in linear feet of channel bank shaped and seeded. These scenarios do NOT apply to Grassed Waterways, Diversions, streambank areas with protective linings, areas covered with water for an extended period of time, or areas where conditions will not support adequate vegetation.

Use technical information from 484 Mulching for straw mulch erosion protection. **This should NOT be included as separate items on the contract, the costs for this item are already factored into the Average Costs.**

If other than straw mulch is needed, Practice 484 Mulch may be contracted as a separate item.

Limitations: Cost-sharing is limited to installing the conservation practice to the extent necessary to meet the resource concerns addressed by the conservation plan. Application of lime and fertilizer, to reach optimum levels, shall be based on the Practice Standard. (Refer to Practice 342 of the Field Office Technical Guide). Soil tests must be done according to the UW-Madison, Department of Soil Science soil analytical procedures and soil test recommendations. Soil test labs approved by FSA for CRP (1-WI CRP) will be considered approved by NRCS for the WHIP program. Labs approved by Department of Agriculture, Trade, and Consumer Protection will be considered approved by NRCS for the WHIP program.

Maintenance: Practice will be maintained for a life span of 10 years following installation.

FENCE 382
Feet

Purpose: To: (1) exclude livestock from areas that should be protected from grazing; (2) protect new seedlings and plantings from grazing; and (3) regulate access to areas by people or prevent trespassing.

Applicability: On any area requiring control or exclusion of livestock, or where access to people is to be regulated.

Payment Schedule: Payment rates per scenario as shown in the table below.

No.	Scenario	Unit	Limit	Payment Rate
1	Fence, Multi-Strand Barbed Wire	Ft.	\$10,000	\$1.83
2	Fence, Woven Wire	Ft.	\$10,000	\$2.74
3	Fence, High Tensile, Electric, 1-2 Strand	Ft.	\$10,000	\$0.50
4	Fence, High Tensile, Electric, 3+ Strand	Ft.	\$10,000	\$0.86
5	Fence, High Tensile, Nonelectric	Ft.	\$10,000	\$1.45
6	Fence, Vehicle Barrier ¹	Ft.	\$10,000	\$6.52

¹Scenario only used for protection of unique/sensitive environmental areas from vehicle entry. Not to be used solely as a perimeter or property boundary fence. Refer to Standard Fence (382) V.A.13 for further details.

Limitations: Cost-sharing is limited to installing the conservation practice to the extent necessary to meet the resource concerns addressed by the conservation plan. **WHIP financial assistance for legally required boundary fences or temporary fences is not allowed.**

Implementation of this practice shall be based upon the criterion noted in Purpose of Fence: Perimeter Around Management Unit found in WI-NRCS 382, Table 1 (Fence Selection Criteria).

Maintenance: Practice will be maintained for a lifespan of 20 years following installation.

**FIELD BORDER 386
Acre**

Purpose: To reduce erosion from wind and water, soil and water quality protection, and provide wildlife food and cover.

Applicability: At crop field edges, and to connect other buffer practices within the crop field.

Payment Schedule: Payment rates per scenario as shown in the table below.

No.	Scenario	Unit	Limit	Payment Rate
1	Grass/Legume Pollinator Mix	Acre		\$261
2	Native Warm Season Pollinator Mix	Acre		\$275

*Use 484 Mulching for erosion protection (Not required as a contract component).

Limitations: Cost-sharing is limited to installing the conservation practice to the extent necessary to meet the resource concerns addressed by the conservation plan. Tall fescue shall not be included in seeding used for this practice. Harvest is not permitted except as part of maintenance clippings during the establishment year, only.

Maintenance: Practice will be maintained for lifespan of 5 years following installation.

The following Cool Season seed mixes are beneficial to pollinators and are approved for use with this practice. Other seed mixes which meet the 386 standard and are suitable for pollinators are also acceptable with prior written approval from the State Agronomist and State Biologist.

Mix 1		Mix 2 (North of Hwy 29)	
Timothy	3 lbs.	Birdsfoot Trefoil	4 lbs.
Red Clover	2 lbs.	Red Top	2 lbs.
Ladino Clover	1 lbs.		

The following Warm Season seed mixes are beneficial to pollinators and are approved for use with this practice. Other seed mixes which meet the 386 standard and are suitable for pollinators are also acceptable with prior written approval from the State Agronomist and State Biologist.

Dry Mix		Mesic Mix		Wet Mesic on Mineral Soils	
Big Bluestem	15 oz.	Big Bluestem	16 oz.	Big Bluestem	30 oz.
Switchgrass	16 oz.	Little Bluestem	32 oz.	Switchgrass	32 oz.
Little Bluestem	20 oz.	Indian Grass	16 oz.	Prairie Cordgrass	2 oz.
Indian Grass	12 oz.	White Wild Indigo	2 oz.	Marsh milkweed	2 oz.
Prairie Dropseed	1 oz.	Pale Purple Coneflower	2 oz.	New England Aster	1 oz.
Butterfly Milkweed	1 oz.	Rattlesnake Master	2 oz.	White Wild Indigo	2 oz.
Purple Prairie Clover	2 oz.	Showy Sunflower	2 oz.	Marsh Marigold	0.5 oz.
Rattlesnake Master	3 oz.	Prairie Blazing Star	1 oz.	Joe-pye weed	1 oz.
Rough Blazing Star	1 oz.	Wild Lupine	1.5 oz.	Marsh Blazing Star	1 oz.
Wild Lupine	1.5 oz.	Wild Bergamot	0.5 oz.	Great Blue Lobelia	0.5 oz.
Wild Bergamot	0.5 oz.	Smooth Penstemon	2 oz.	Wild Bergamot	0.5 oz.
Spotted Mint	0.5 oz.	Showy Goldenrod	0.5 oz.	Common Ironweed	2 oz.
Smooth Penstemon	1 oz.	Culver's Root	0.2 oz.	Culver's Root	0.2 oz.
Showy Goldenrod	0.5 oz.				
Spiderwort	1 oz.				

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Substitute Forbs		Substitute Forbs		Substitute Forbs	
Smooth Blue Aster	0.5 oz.	Butterfly Milkweed	2 oz.	Wild Senna	5 oz.
Pale Purple Coneflower	3 oz.	New England Aster	2 oz.	Boneset	0.2 oz.
Showy Sunflower	2 oz.	Purple Prairie Clover	6 oz.	Winged Loosestrife	0.1 oz.
Stiff Goldenrod	1 oz.	Stiff Goldenrod	1 oz.	Cup Plant	3 oz.
		Spiderwort	3 oz.	Ohio Goldenrod	0.5 oz.

**FIREBREAK 394
Linear Feet**

Purpose: To establish or maintain as a component of a prescribed burn for wildlife habitat management.

Applicability: On areas where prescribed burning is applied as a management tool or protection from wildfire is needed.

Payment Schedule: Payment rate per scenario, as shown below.

No.	Scenario	Unit	Limit	Payment Rate
1	Firebreak – mowing or disking only	Ft.		\$0.04
2	Firebreak – mowing and clearing woody stems	Ft.		\$0.09

Limitations: Financial assistance is limited to installing the conservation practice to the extent necessary to meet the resource concerns addressed by the planning objectives.

Maintenance: Practice will be maintained for a lifespan of 5 years after year of installation.

Note: May be used in conjunction with practices 327, 338, 386, 612, 644, & 645.

**FISH PASSAGE 396
Number**

Purpose: To allow upstream and downstream movement of fish and other aquatic species past barriers.

Applicability: Where artificial, animal, or man-made barriers (i.e. dams) are adversely affecting movement of aquatic species.

Payment Schedule: Payment rate per scenario, as shown below.

No.	Scenario	Unit	Limit	Payment Rate
1	Culvert replacement, <60" diameter	Ft.		\$ 144.00
2	Culvert replacement, ≥60" diameter	Ft.		\$ 163.00
3	Beaver Dam Removal, road access ¹	No.		\$ 262.00
4	Beaver Dam Removal, remote access ¹	No.		\$ 330.00
5	Fish Ladder, per foot of overfall	Ft.		\$ 3000.00
6	Dam Removal Less than 6 feet effective height ²	No.		\$ 7500.00
7	Dam Removal 6 feet or more, but less than 10 feet effective height ²	No.		\$15000.00
8	Dam Removal 10 feet or more effective height ²	No.		\$30,000.00

¹ Only used for restoration of critical native fish species habitat and as a final step after completion of animal removal program. Any use of explosives must be supervised by a licensed blaster.

² Effective height of a dam is defined as the difference in elevation between the top of the dam, and the lowest point at the centerline of the dam.

Limitations:

The landowner is responsible for obtaining all required permits prior to beginning any stream improvement measures. A complete construction plan must be in place with NRCS engineering approval before commencement of this work. At a minimum, the plan must include: the extent of removal and location for dispersal of removed materials; stabilization of accumulated upstream sediment; channel bottom or bank stabilization needed; site erosion control; and site re-vegetation details.

An "As-Built" plan must be completed at the end of construction and maintained with the original contract file.

Maintenance: Practice will be maintained for a lifespan of 5 years after year of installation.

HERBACEOUS WEED CONTROL 315
Acre

Purpose: This practice is used to restore or release native or create desired plant communities and wildlife habitats consistent with the ecological site.

Applicability: On all lands except active cropland and pastureland where removal, reduction, or manipulation of herbaceous vegetation is desired.

Payment Schedule: Payment rate per scenario as shown in the table below.

No.	Scenario	Unit	Limit	Payment Rate
1	Control of Upland Invasives (Herbicide)	Ac.		\$90.75
2	Control of Upland Invasives (Hand pull and bag)	Ac.		\$212.00
3	Control of Aquatic Invasives	Ac.		\$1,000.00

Payments shown are per year for up to two years.

Limitations: Cost-sharing is limited to installing the conservation practice to the extent necessary to meet the resource concerns addressed by the conservation plan. Herbaceous weed control shall be applied in a manner to protect the health and vigor of native or desired plant species.

Maintenance: Practice will be maintained for a lifespan of 1 year after year of installation.

MULCHING 484
Acre

Purpose: To conserve moisture, prevent surface compaction or crusting, reduce runoff and erosion, control weeds, and help establish plant cover.

Applicability: On critical areas; as part of establishing vegetation on a constructed practice.

Payment Schedule: Payment rates per scenario as shown in the table below.

No.	Scenario	Unit	Limit	Payment Rate
1	Erosion Control Blanket ¹	Sq. Yd.		\$1.88
2	Erosion Control Netting ¹	Sq. Yd.		\$1.50

¹Biodegradable erosion control blankets or netting will be used for projects within or adjacent to fish and wildlife habitat.

Straw mulching is included as part of Practice 342, Critical Area Planting or as part of seeding included in other practices, and is not available as a separate scenario.

Limitations: Cost-sharing is limited to installing the conservation practice to the extent required by the engineering design.

Maintenance: Practice will be maintained for lifespan of 1 year.

**OBSTRUCTION REMOVAL 500
Acre**

Purpose: To safely remove and dispose of unwanted obstructions and materials in order to apply conservation practices.

Applicability: On land where existing obstructions interfere with planned installation of a conservation practice.

Payment Schedule: Payment rates per scenario as shown in the table below.

No	Scenario	Unit	Limit	Payment Rate
1	Clearing Trees	Acre	\$1680	\$840.00
2	Clearing Brush	Acre	\$1680	\$420.00
3	Structure Removal	Each	\$1680	\$840.00

Limitations: Cost-sharing is limited to installing the conservation practice to the extent necessary to meet the resource concerns addressed by the conservation plan. Obstruction removal is only cost sharable where necessary to facilitate installation of other conservation practices. Cost-sharing will be based on the least cost alternative available for the site.

Maintenance: Practice will be maintained for a lifespan of 10 years after practice installation.

**PRESCRIBED BURNING 338
Acres**

Purpose: To prepare sites for planting and as a tool to establish and manage a desired wildlife habitat.

Applicability: Used in native grassland plantings, prairie or savanna/barrens establishment, restoration, and management, as well as other wildlife areas.

Payment Schedule: Payment rate per scenario, as shown below.

No.	Scenario	Unit	Limit	Payment Rate
1	Contract Burn, Less than 60 Acres	Ac.		\$ 107.50
2	Contract Burn, 60 Acres or more	Ac.		\$ 51.50
3	Contract Burn, >30% Slope	Ac.		\$ 327.50

Note: May be used in conjunction with practices 327, 386, 394, 612, 644, & 645.

Up to two (2) burns may be contracted, if called for by the conservation plan.

Payment rates include development of burn plan.

Maintenance: Practice will be maintained for a lifespan of 1 year after year of installation.

**STREAM CROSSING 578
No.**

Purpose: To provide a stabilized area or structure constructed across a stream to provide a travel way for livestock, equipment, or farm vehicles to reduce sediment, nutrient, organic loading of the stream; reduce streambank and streambed erosion; or provide access to another land unit.

Applicability: Where an intermittent or perennial watercourse exists and a ford or culvert type crossing is desired for livestock, equipment, or farm vehicles.

****May only be contracted in WHIP to support a wildlife practice. Stream Crossing (578) may not be contracted in WHIP as a stand-alone practice.**

Payment Schedule: Payment rate per scenario as shown in the table below.

No.	Scenario	Unit	Limit	Payment Rate
1	Stone Surfaced Crossing	Sq.Ft.		\$1.86
2	Paved Surface	Sq.Ft.		\$3.56
3	Culvert, Less than 25 Inch Diameter, Single Tube, and Surfacing	Ft.		\$38.50
4	Culvert, Less than 25 Inch Diameter, Multi-Tube, and Surfacing	Ft.		\$56.00
5	Culvert, 25 Inch or More Diameter, Single Tube, and Surfacing	Ft.		\$51.50
6	Culvert, 25 Inch or More Diameter, Multi-Tube, and Surfacing	Ft.		\$81.50

Approach ramps are part of the stream crossing, and should not be contracted under another practice. Road ditches are not eligible for Stream Crossing (578).

Stream crossings are measured per square foot of crossing area.

Culverts are measured per linear foot of culvert installed. The length of only one culvert should be included in the length total, regardless of how many culverts are being installed.

Limitations: Cost-sharing is limited to installing the conservation practice to the extent necessary to meet the resource concerns addressed by the conservation plan. Cost-sharing for surfacing material will be limited to the least cost alternative that will remain stable under the design condition. Landowner is responsible for obtaining necessary permits prior to start of construction.

Maintenance: Practice will be maintained for a lifespan of 10 years following installation.

**STREAMBANK AND SHORELINE PROTECTION 580
Feet**

Purpose: To stabilize or protect banks of perennial streams to improve the stream as habitat for aquatic organisms.

Applicability: This practice is to be used only as a component of a stream habitat improvement plan approved by the local DNR or Tribal Fish Manager and must also meet the NRCS standard requirements.

Payment Schedule: Payment rate per scenario, as shown below.

No.	Scenario	Unit	Limit	Payment Rate
1	Streambank, Average Bank Height <4', Partial Height Rock Riprap	Ft.		\$11.85
2	Streambank, Average Bank Height 4-7', Partial Height Rock Riprap	Ft.		\$19.70
3	Streambank, Average Bank Height 4-7', Partial Height Rock Riprap with Spoil Removal from the Flood Plain Area	Ft.		\$24.20
4	Streambank, Average Bank Height 4-7', Full Height Rock Riprap	Ft.		\$25.45
5	Streambank, Average Bank Height 7' or more, Partial Height Rock Riprap	Ft.		\$26.95
6	Streambank, Average Bank Height 7' or more, Partial Height Rock Riprap with Spoil Removal from the Flood Plain Area	Ft.		\$33.95
7	Streambank, Average Bank Height 7' or more, Full Height Rock Riprap	Ft.		\$37.85
8	Lakeshore Rock Riprap	Ft.		\$41.20
9	Lakeshore Bioengineering	Ft.		\$15.00

Use technical information from 342 Critical Area Planting for seeding and 484 Mulching for straw mulch erosion protection. **These should NOT be included as separate items on the contract, the costs for these items are already factored into the Average Costs.**

If other than straw mulch is needed, Practice 484 Mulch may be contracted as a separate item. Practice 500 Obstruction Removal may be added as a separate contract item, as needed.

Limitations: Cost-sharing is limited to installing the conservation practice to the extent necessary to meet the resource concerns addressed by the conservation plan. Landowner is responsible for obtaining necessary permits prior to start of construction.

Rip-rap will only be used to protect actively eroding stream banks.

Practice 342 Critical Area Planting (Scenarios 7-10) may be added as a separate item upstream and downstream where only shaping above the bank zone is planned.

Maintenance: Practice will be maintained for lifespan of 20 years following installation.

**STREAM HABITAT IMPROVEMENT & MANAGEMENT 395
Feet**

Purpose: To improve habitat for desired aquatic species.

Applicability: In streams where existing habitat limits the production of the desired species.

Payment Schedule: Payment rate per scenario, as shown below.

No.	Scenario	Unit	Limit	Payment Rate
1	Installation of Wood Debris dams, or structures ¹	Ft.		\$3.88
2	Installation of Structures such as vortex weirs, turtle hibernacula, cross channel logs, escape logs, root wads, rock deflectors, log deflectors, boulder retards (2 sets of 5), brush bundles, backwater refuges, stream barbs, etc	No.		\$405.00
3	Installation of Fish Structure (i.e. Lunker) ²	No.		\$180.00

¹Quantity calculated by length of stream where installed

²Includes rock

Limitations: WHIP financial assistance is limited to installing the conservation practice to the extent necessary to meet the resource concerns addressed by the planning objectives. A detailed plan must be approved by NRCS.

Rip-rap will only be used to protect actively eroding stream banks.

An "As Built" plan must be completed at the end of construction and maintained with the original contract file.

Maintenance: Practice will be maintained for a lifespan of 5 years after year of installation.

TREE AND SHRUB ESTABLISHMENT 612
Acres

Purpose: To restore degraded woodland or shrub lands, or establish a stand of trees or shrubs to achieve specific wildlife habitat objectives.

Applicability: Tree or Shrub planting is authorized where the objective is to increase an existing forest stand, or to connect fragmented areas of woodland or shrub land. Planting into an existing stand may be used to improve degraded woodland or shrub land for specific wildlife habitat objectives. **NOT FOR USE IN USDA/WDNR DESIGNATED GRASSLAND AREAS**

Payment Schedule: Payment rates per scenario as shown in the table below.

No.	Scenario	Unit	Limit	Payment Rate
1	Tree/Shrub Establishment, Softwoods, Machine Planting	Acre		\$194.00
2	Tree/Shrub Establishment, Softwoods, Machine Planting, with Tree Shelters ¹	Acre		\$419.00
3	Tree/Shrub Establishment, Hardwoods, Machine Planting	Acre		\$335.00
4	Tree/Shrub Establishment, Hardwoods, Machine Planting, with Tree Shelters	Acre		\$560.00
5	Tree/Shrub Establishment, Hand Planting Hardwoods or Softwoods	Acre		\$461.00
6	Tree/Shrub Establishment, Hand Planting Hardwoods or Softwoods with Tree Shelters	Acre		\$686.00
7	Tree/Shrub Establishment, Direct Seeding	Acre		\$ 92.00
8	Shrub Establishment, Machine Planting Pollinator Species ¹	Acre		\$654.00

Limitations: Financial assistance is limited to installing the conservation practice to the extent necessary to meet the resource concerns addressed by the planning objectives.

Average costs shown include planting stock, and planting costs.

Riparian buffers around intermittent streams, drainage ditches, ponds, or springs are not eligible for cost-sharing.

Ash species will be limited to 10% or less of new plantings. **No ash will be planted in the following quarantined counties:** Brown, Vernon, Crawford, Fond du Lac, Sheboygan, Washington, Ozaukee, Waukesha, Milwaukee, Racine and Kenosha.

² Shrub Planting Pollinators scenario MUST include at least one species from each of the three groups below, with a minimum of 20 % from each group. Shrub plantings shall be a minimum of 600 shrubs per acre.		
Group 1	Group 2	Group 3
Cornus anomum-Silky Dogwood (1,2)	Cornus anomum-Silky Dogwood (1,2)	Amorpha canescens-Leadplant
Cornus sericea-Red Osier Dogwood (1,2,3)	Cornus sericea-Red Osier Dogwood (1,2,3)	Cornus sericea Red Osier Dogwood (1,2,3)
Ilex verticillata-Winterberry (1,2)	Ilex verticillata-Winterberry (1,2)	
Amelanchier arborea-Serviceberry (2,3)	Physocarpus opulifolius-Ninebark (1,2)	
Physocarpus opulifolius-Ninebark (1,2)	Spirea alba-Meadowsweet (1,2)	Spirea alba-Meadowsweet (1,2)
Prunus americana-Wild Plum (2,3)	Spirea tomentosa-Steeplebush (1,2)	Spirea tomentosa-Steeplebush (1,2)
Prunus virginiana-Choke cherry (1,2,3)	Viburnum lentago-Nannyberry (1,2,3)	
Viburnum opulus -Highbush cranberry (1,2)	Sambucus nigra v canadensis-Elderberry (1,2)	Sambucus nigra v canadensis-Elderberry (1,2)
Viburnum lentago-Nannyberry (1,2,3)	Viburnum opulus-Highbush cranberry (1,2)	Ceanothus americanus-New Jersey Tea (2,3)
	Amorpha canescens-Leadplant (3)	
	Ceanothus americanus-New Jersey Tea (2,3)	

Numbers in parenthesis indicate soil moisture regimes: 1 = Wet, 2 = Medium, 3 = Dry

Maintenance: Practice will be maintained for a lifespan of 15 years after year of installation.

UPLAND WILDLIFE HABITAT MANAGEMENT 645
Acre

Purpose: To create, maintain, or enhance habitat suitable for sustaining desired species of upland wildlife.

Applicability: On all lands that are suitable for the construction of a reptile or amphibian hibernaculum that is planned and needed.

Payment Schedule: Payment rate as shown below.

No.	Component	Unit	Limit	Payment Rate
1	Hibernaculum	Each		\$695.00

Limitations: Cost-sharing is limited to installing the conservation practice to the extent necessary to meet the resource concerns addressed by the conservation plan.

Other practices may be used in conjunction with 645 to implement this plan within the contract, and may include any of the practices eligible under the current year list for the WHIP program.

Maintenance: Practice will be maintained for a lifespan of 1 year after year of installation.

**WETLAND CREATION 658
Acre**

Purpose: Create wetlands that have wetland hydrology, hydrophytic plant communities, hydric soil conditions, and wetland functions and values.

Applicability: This practice applies to sites where no natural wetland occurred or where a wetland exists or existed and the wetland characteristics (hydrology, vegetation types, and functions) will be different from what historically existed.

Payment Schedule: Payment rate per scenario as shown in the table below.

No.	Scenario	Unit	Limit	Payment Rate
1	Shallow Water Area, Average depth <12"	Ac.		\$3765.00
2	Shallow Water Area, Average depth 12" to 24"	Ac.		\$6803.00
3	Embankment with Water Control Structure	Ft.		\$ 14.34
4	Ditch Plug	Ea.		\$ 435.00
5	Tile Removal, Plugging	Ea.		\$ 338.00

Limitations: Created wetlands will only be located where the soils, hydrology and vegetation can be modified to meet the current NRCS criteria for a wetland.

Maintenance: Practice will be maintained for a lifespan of 15 years after year of installation.

WETLAND RESTORATION 657
Acre

Purpose: This practice is used to restore the hydrologic conditions and hydrophytic plant community necessary for the reestablishment of wetlands for the benefit of wildlife and plant and animal biodiversity, reduce flooding, improve water quality, and provide other environmental benefits.

Applicability: This practice applies to hydric soils that were drained or altered, and that are capable of storing water for the development of a wetland system.

Payment Schedule: Payment rate per scenario as shown in the table below.

No.	Scenario	Unit	Limit	Payment Rate
1	Shallow Water Area, Average depth <12"	Ac.		\$3765.00
2	Shallow Water Area, Average depth 12" to 24"	Ac.		\$6803.00
3	Embankment with Water Control Structure	Ft.		\$ 14.34
4	Ditch Plug	Ea.		\$ 435.00
5	Tile Removal, Plugging	Ea.		\$ 338.00

Limitations: This practice does not apply to:

- constructed wetlands designed for treatment of agricultural, industrial, or municipal wastes,
- artificial wetlands that are created on non-hydric soils, and
- existing non-degraded wetlands with intact native plant communities.

Maintenance: Practice will be maintained for a lifespan of 15 years after year of installation.

WETLAND WILDLIFE HABITAT MANAGEMENT 644
Acre

Purpose: To maintain, establish, or improve habitat for waterfowl, fur-bearers, or other wetland dependent wildlife.

Applicability: This practice applies to establishment of food, cover, and shelter for wetland dependent wildlife.

Payment Schedule: Payment rate per scenario as shown in the table below.

No.	Component	Unit	Limit	Payment Rate
1	Tree Drops, on site.	No.		\$ 18.75
2	Tree Drops, tree transported to site	No.		\$ 93.00
3	Loon Nesting Platforms	No.		\$ 93.00
4	Osprey Nesting Platforms	No.		\$375.00
5	Wood Duck Nesting Box	No.		\$ 30.00
6	Wild Rice Seeding ¹	Ac.		\$205.00

¹Wild Rice Seeding may be scheduled up to 3 times on the same acres in the contract to help ensure establishment.

Limitations: Plans will be developed by a professional wildlife person and approved by the NRCS District Conservationist.

Other practices may be utilized to implement this plan within the contract, and may include any of the practices eligible under the current year list for the WHIP program.

Maintenance: Practice will be maintained for a lifespan of 1 year after year of installation.

Wild Rice establishment will be conducted in appropriate locations as per WI Biology Technical Note 3.

Information and guidance on all types of nesting structures can be found at: <ftp://ftp-fc.sc.egov.usda.gov/WHMI/WEB/pdf/Nestingstr.pdf>

*Tree Drops will be installed in accordance with WI Biology Technical Note 6.