

## **2011 MINNESOTA AWEP CONSERVATION PRACTICE PAYMENT SCHEDULE**

The AWEP Conservation Practice Payment Schedule lists practices that have been authorized for payments under the Agricultural Water Enhancement Program under Environmental Quality Incentives Program (EQIP) authorization in Minnesota. The schedule lists the payment rates and the program specific provisions for various practices.

The schedule consists of three parts, Program Provisions, General Provisions and Specific Provisions. The Program and General Provisions list the requirements that are applicable to all or multiple practices. The Specific Provisions list the component codes, payment rates and specific provisions for each schedule practice.

AWEP conservation payments are only authorized for practices listed in the schedule. Non-schedule practices required for the implementation of a schedule practice shall be considered components of and subsidiary to the schedule practice.

Participants applying under the AWEP must meet all the eligibility requirements and individual program rules as prescribed through the Environmental Quality Incentives Program (EQIP).

### **Conservation Practice Payment Methods:**

**PR – Payment Rate:** The Payment Rate is the unit cost rate of compensation to be received by the participant. The Payment Rate for each practice or component has been established at the state level. Where a significant variance in cost data can be documented, payment rates may be developed at a county, watershed or other defined area as approved by the State Conservationist. Offices may submit updated cost information at any time, however, cost lists and payment rates will not change once any contracts have been obligated in ProTracts.

Payments based on Payment Rates do not require the participant to submit bills or receipts. However, invoices, receipts, and other supporting documentation may be required to support that the work performed meets practice standards and specifications. Offices are to follow state policy regarding collection of actual costs to support payment rate development for future years.

AWEP funds may be combined with other funds. AWEP does not pay for the same practice on the same land as any other USDA program. The participant should consult other program rules for maximum payment and other limitations.

### **PROGRAM PROVISIONS**

1. Conservation Practice Payments are authorized for practices:
  - a. Implemented following the contents of the NRCS Field Office Technical Guide.
  - b. Implemented following the a) general provisions and b) specific provisions for each practice included in the schedule.
  - c. **Where positive environmental benefits from the benchmark condition can be documented. Payments are not authorized for, or on, existing, in place practices.**
  - d. Starting Practices – Applicants who start a practice before the contract is approved by the NRCS causes the applicant to be ineligible for EQIP financial assistance for that practice. A waiver may be granted if the practice has not been started at time of application and the practice has not been started until after the waiver is granted (see EQIP manual for further guidance).
2. Payment Rates for 2010 AWEP contracts is amount per unit as listed in this schedule., These rates are the amount the participant will receive upon completion of the practice, regardless of the cost of installing the practice. If other funding is received by the participant the total financial assistance provided may not exceed 100 percent of the total practice costs.
3. For certified Historically Underserved (HU) participants (Limited Resource Farmers, Beginning Farmers, Socially Disadvantaged Farmers) the payment rate will be HUP rate shown in this schedule. **For participants who certify as a Historically Underserved participant, field staff MUST select the HUP component in the cost list.** Checking the

Limited Resource, Beginning Farmer, or Socially Disadvantaged Farmer in the ProTracts application will not automatically result in a higher payment rate.

4. Any contract with a total obligation of payments greater than \$150,000 must be signed in ProTracts by the Regional Assistant Chief. Instructions and the 2010 questionnaire will be provided by the state office when available.
5. Technical assistance through technical service providers (TSP) may be paid through AWEF contracts for FY 2010.

## **GENERAL PROVISIONS**

1. The minimum length of a contract is 1 year beyond the completion of the final practice. Practices may not be scheduled in the final year of the contract.
2. An approved participant may choose to obtain the technical assistance required to implement their AWEF contract from **EITHER** USDA **OR** a Technical Service Provider (TSP). If the participant chooses to have USDA perform the technical assistance, non-USDA personnel through a public agency partner or private sector consultant may provide parts of those services. If the participant chooses to hire a TSP certified by the NRCS, to perform the technical assistance, the maximum amount of USDA reimbursement for that assistance is the amount listed in the EQIP contract. All services provided by a TSP are done independently. Consultations or concurrence of USDA staff is not required. TSP costs in excess of the contract amount are the responsibility of the producer.
3. Pesticides used, as a component of any practice, will be state approved for the use involved. These pesticides will also be applied according to registered uses, label directions, and other applicable federal or state regulations.
4. Soil testing - Any practice, which includes the application of liming materials, commercial fertilizer, and/or manure shall be prescribed based on a soil test no older than three years old and from a soil testing laboratory shown on Minnesota Department of Agriculture's list of approved Soil Testing Laboratories. Application rates of lime, commercial fertilizer, and manure shall be based on University of Minnesota recommendations, or from North Dakota's or South Dakota's Land Grant University.
5. Liming Materials - Lime refers to Agricultural Liming Material (ALM). All liming material must meet the label information required by Minnesota Statue Section 18C.545 and include the following: 1) ALM type and; 2) ALM quality rating (minimum pounds of effective neutralizing power (ENP) per ton). The University of Minnesota soil test reports provide ALM recommendations in pounds of ENP per acre.
6. Land enrolled in other conservation programs is eligible under AWEF-EQIP provided AWEF does not pay for the same practice on the same land as any other USDA program. CRP land may only be offered for enrollment during the last year of the CRP contract and no EQIP practice may be applied until after the CRP contract has ended. Other program rules may prohibit the use of EQIP funds. See also 440-V- CPM 515.52F.
7. NRCS Wetland Policy as found in the General Manual 190, Part 410 must be followed. This policy provides direction to the agency for compliance with the National Environmental Policy Act (NEPA). This policy prohibits NRCS from providing technical or financial assistance to participants that will adversely affect wetlands, unless the lost functions are fully mitigated.
8. As a requirement of eligibility, participants are required to perform upland treatment actions, according to Minnesota Conservation Planning Policy, and adequately address potential adverse impacts to conservation practices. Adverse impacts to conservation practices could include, but are not limited to, increased siltation by water and/or wind borne soils, excessive runoff, degradation of vegetation practice components by pesticides transported in runoff and sediment, and degradation of wildlife habitat.
9. Practice Pre-requisites and facilitating practices: Some practices require the implementation of one or more other practices. For example, Fence (382), Pipeline (516), and Watering Facility (614) all require the participant to implement

either a Prescribed Grazing System or Access Control. However, the participant is NOT required to receive a program payment for either Prescribed Grazing System or Access Control. So a Fence required to keep livestock off a Dam, does not require the participant to receive the Access Control program payment in order to receive payment for the required Fence. For this example the Access Control implementation must be documented in the participant's customer service file.

10. Participants wanting to perform practices on land they do not own, or to install practices that require permits are responsible for obtaining easements, permits, right-of-way, water rights or other permission necessary to perform and maintain the practices. Expenses incurred due to these items are not cost shared. The permission from the authority must be in writing and a copy must be provided to the NRCS field office prior to installation being made on the practice.
11. Materials – New materials must be utilized in the construction of practices, unless PRIOR approval has been granted by the State Conservation Engineer. The State Conservation Engineer has granted approval for specific used material as provided by specific practice provisions in this schedule.
12. Program authority does not allow the NRCS to establish limits on the extent of practices proposed by program applicants; however, NRCS may establish maximum payment caps on individual practices. For the following practices a maximum payment cap is established **per individual/entity for the life of the current farm bill**. For these practices the payment cap is a **per year** payment with a maximum of 3 payments. See each practice for the appropriate payment cap amount.
  - Access Control
  - Drainage Water Management
  - Prescribed Grazing
  - Residue Management – Mulch till
  - Residue Management – No till/Strip till
  - Residue Management – Ridge till

For these practices the payment cap is **per practice**, although individual practice provisions may restrict whether the participant is eligible for any additional practice payment:  
Cover Crop

## **SPECIFIC PROVISIONS**

### **PRACTICE STANDARD 472 – ACCESS CONTROL (formerly USE EXCLUSION) (ac)**

<b>Component</b>	<b>Unit</b>	<b>PR/unit</b>	<b>HUP/unit</b>	<b>Payment Cap</b>
Access Control – Livestock	ac	33	36	\$11,000
Access Control – Traffic	ac	13	15	\$5,000

1. Payment is authorized for Access Control (472) on eligible acres, not to exceed 3 payments. The Access Control and Pollinator Management may NOT be used on the same acres.
2. Payment is only authorized on acres where access is being excluded. Management of the excluded area may include forage removal practices as described in a management plan for the area.
3. For Access Control – Livestock :
  - a. Payment is only authorized in riparian areas where the current condition shows environmental damage caused by existing livestock and the exclusion directly results in environmental benefits to perennial and intermittent streams and lakes. Payment is authorized for an excluded area averaging no more than 100 feet in width.
  - b. Payment is only authorized when livestock are present on land adjacent to the portion eligible for Access Control (472). Land that is part of a prescribed grazing plan is eligible for Access Control (472).
4. Payment for Access Control – Traffic is only authorized as a supporting practice for Filter Strips (393), Field Borders (386), Contour Buffer Strips (332), or Riparian Forest Buffer where traffic was previously unrestricted and is being controlled.

### **PRACTICE STANDARD 575 - ANIMAL TRAILS & WALKWAYS (ft)**

<b>Practice</b>	<b>Component</b>	<b>Unit</b>	<b>PR/unit</b>	<b>HUP/unit</b>
Animal Trails & Walkways	Raised Earth	lin ft	0.76	0.91
Animal Trails & Walkways	Rock Surfacing (B)	lin ft	3.53	4.24
Animal Trails & Walkways	Rock Surfacing (C&D)	lin ft	5.20	6.24
Animal Trails & Walkways	Rock Surfacing (E&F)	lin ft	9.11	11

- 1) Payment for Livestock Travel Lanes is authorized as facilitating component of Prescribed Grazing or water development with Access Control.
  - a) Payment is not authorized for protecting facilities within the farmstead.
  - b) Payment is limited to protection for armoring livestock lanes in dairy operations, in beef operations that use artificial insemination, and in other operations where travel lanes cross wet soils or unstable, excessively eroded sites.
  - c) See the practice standard for surfacing option specifications.

**PRACTICE STANDARD 314 – BRUSH MANAGEMENT (ac)**

Component	Unit	PR/unit	HUP/unit	Payment Cap
Invasive plant species – non-cropland, woody species, chemical control only.	ac	118	213	
Invasive plant species – non-cropland, woody species, mechanical and chemical control.	ac	155	280	

1. Invasive Plant Species Pest Management payment is authorized on **NON-CROPLAND UPLAND**.
  - a. For woody invasives the payment is one-time per field.
  - b. Payment is limited to those acres on which a specific pest management action has been implemented.
  - c. Land enrolled under an easement for permanent cover is not eligible for this practice.
  - d. A detailed Invasive Plant Species Pest Management plan will be developed and implemented in order to receive the payment. The plan will specify the actions that must be completed each year in order to earn that year’s payment. Qualifying invasive plant species are listed on page 2 of MN Agronomy Technical Note 16, and include the MDA Invasive Species, the MDA Prohibited Noxious Weed List, the Restricted Noxious Weeds, and MDA Secondary Noxious Weeds where those secondary noxious weeds appear on a county noxious weed list. In addition, Multiflora Rose, Japanese barberry, and Honeysuckle are qualifying invasive plant species for management treatment and payment.

**PRACTICE STANDARD 328 - CONSERVATION CROP ROTATION (ac)**

Practice	Component	Unit	PR/unit	HUP/unit
Conservation Crop Rotation	Annual crops to 2 yrs with cover	ac	40	71
Conservation Crop Rotation	Low residue crops to high residue crop rotation – one time payment	ac	33	59

1. Payment is not authorized for any Conservation Crop Rotation and Pasture and Hay Planting on the same acreage.

**Annual Crop Rotation to 2 Years with conserving crop**

1. For Conservation Crop Rotation, payment is authorized on eligible acres, not to exceed 3 separate payments during the term of a contract. Participants must be able to demonstrate that the applied for acres have a prolonged history of continuous annual crop. Participants receiving the Organic Conservation Crop Rotation payment are not eligible for the Annual Crop Rotation payment on any acres. Participants utilizing the Low residue crops to high residue rotation are not eligible for the Annual Crop Rotation on the same acres.
2. Payment is made after the most conserving crop of the crop rotation is planted. Payment is made only on those acres seeded to the most conserving crop.
3. Eligible acres are those where the current rotation is annual crops and is significantly changed to include at least two years or more of rotation legumes, grass and legume mixtures, and other approved green manure and cover crops.
4. Per national policy 515.80.A5, If an EQIP plan of operations includes conservation practices related to organic production or the transition to organic production, the participant must develop and implement as scheduled, an organic system plan, prior to applying a conservation practice. Note: The participant must work toward implementing the required plan but it is not a requirement that all planned items be included in the contract.

**Low Residue specialty crops to High Residue crops**

1. For Low Residue specialty crops to High residue rotation, a one-time payment is authorized on eligible acres. Participants receiving the Organic Conservation Crop Rotation payment are not eligible for this payment on any acres. Participants utilizing the Annual Crop Rotation are not eligible for this rotation on the same acres.
2. Payment is to be made after the 2<sup>nd</sup> year of the high residue crop is planted. When installed, the final crop rotation will be a minimum 4 year rotation with 2 years of high residue crops.

3. Eligible acres are those where the current rotation is comprised of low residue, specialty crops AND 33% or less of high residue crops. The rotation must be significantly changed to include at least 50% of high residue crops AND be a minimum 4 year rotation. Low residue specialty crops are sugarbeets, potatoes, dry edible beans, and dry peas. Low residue specialty crops are generally harvested with a digging or knifing operation that destroys the crops residue leaving little residue to manage. High residue crops are corn and small grains.
4. The high residue crops must be maintained with adequate soil cover over the winter to control soil erosion. A minimum of 30% cover will be maintained over winter.

### PRACTICE STANDARD 332 - CONTOUR BUFFER STRIPS (ac)

Practice	Component	Unit	PR/unit	HUP/unit
Contour Buffer Strips	<10 acres of native grass mix	ac	242	271
Contour Buffer Strips	10 acres or more of native grass mix	ac	234	262
Contour Buffer Strips	Introduced grasses and legumes mix	ac	204	226
Contour Buffer Strips	Introduced grass mix	ac	195	215
Contour Buffer Strips	Lime	ton	22	26

1. Payment includes seedbed preparation, seed, seeding, and soil amendments as appropriate based on an approved seeding plan. Payment is for establishment and management of the area devoted to perennial cover.
2. End rows shall be established as Field Borders (386) or will have soil erosion rates at "T" or less. Buffer areas and field borders will be seeded based on an approved seeding plan.
3. Payment is not authorized for Stripcropping (585), on acres where Contour Buffer Strips (332) are authorized and planned.
4. For establishment clipping see Herbaceous Weed Control (315).

### PRACTICE STANDARD 330 - CONTOUR FARMING (ac)

Practice	Component	Unit	PR/unit	HUP/unit
Contour Farming	Contour Farming	ac	10	13

1. A payment is authorized on eligible acres, not to exceed 3 payments.
2. All land preparation, planting and cultivation will be done following a specified contour grade.
3. End rows shall be established as Field Borders (386) or will have soil erosion rates at "T" or less.
4. Payments are not authorized for Stripcropping (585) on acres where Contour Farming (330) is authorized and planned.

### PRACTICE STANDARD 340 - COVER CROP (ac)

Component	Unit	PR/unit	HUP/unit	Payment Cap
Legumes or mixed covers on cropland	ac	40	48	\$7000
Small grain seeding	ac	16	19	\$6000

1. Cover crop seeding will be completed based on an approved cover crop seeding and management plan.
2. Cover crop is considered a vegetative practice, not a management practice. It is not eligible when reapplied on the same acres as part of a routine cropping system.
3. Cover crops cannot be mechanically harvested for grain or forage.

## PRACTICE STANDARD 342 - CRITICAL AREA PLANTING (ac)

Practice	Component	Unit	PR/unit	HUP/unit
Critical Area Planting	Introduced grasses with site shaping	ac	1008	1210
Critical Area Planting	Grassed waterway native grass seeding	ac	121	145
Critical Area Planting	Grassed waterway Introduced grass seeding	ac	114	137
Critical Area Planting	Introduced grass seeding	ac	133	159
Critical Area Planting	Native grass seeding	ac	156	187
Critical Area Planting	Construction Site planting, pre-construction	ac	163	173
Contour Buffer Strips	Lime	ton	22	26

1. Critical Area Planting (342) must be completed following an approved establishment and management plan. Payment includes site preparation, seed, seeding, and soil amendments as appropriate based on an approved plan.
2. Introduced grasses with site shaping payment includes earthwork, grading, shaping, etc. as needed when the shaping is not part of a structural practice.
3. Construction Site planting, pre-construction
  - a) The purpose of this component of the practice standard is to provide cover on cropland fields where it is necessary to construct conservation practices during months when an annual crop would normally be growing. Participants are eligible for a one time payment to allow construction of structural conservation practices to occur from May 30 to September 15. Payment may not be made more than once on the same acres.
  - b) Payments are limited to those acres that would have been planted to an annual row crop. Total payments per contract are not to exceed payment on 10 acres.
  - c) Cover Crop (340) and the pre-construction payment **may not** be made on the same acres.
  - d) Payment is limited to those acres where a planting is established according to an approved NRCS plan.

## PRACTICE STANDARD 402 - DAM (no)

Practice	Component	Unit	PR/unit	HUP/unit
Dam	Dam - Drainage Area - 0 to 10 Acres	ea	3750	4500
Dam	Dam - Drainage Area - 10.1 to 20 Acres	ea	6000	7200
Dam	Dam - Drainage Area - 20.1 to 40 Acres	ea	11250	13500
Dam	Dam - Drainage Area - 40.1 to 80 Acres	ea	15000	18000
Dam	Dam - Drainage Area - 80.1 to 250 Acres	ea	22500	27000
Dam	Dam - Drainage Area - 250.1 to 500 Acres	Ea	45000	54000
Dam	Dam - Drainage Area - Greater than 500 Acres	ea	60000	72000
Dam	Dam Rehab, 0-10 Acre Drainage Area	ea	2250	2700
Dam	Dam Rehab, 10.1-20 Acre Drainage Area	ea	3750	4500
Dam	Dam Rehab, 20.1-40 Acre Drainage Area	ea	7500	9000
Dam	Dam Rehab, 40.1-80 Acre Drainage Area	ea	9000	10800
Dam	Dam Rehab, 80.1-250 Acre Drainage Area	ea	11250	13500
Dam	Dam Rehab, 250.1 to 500 acres Drainage Area	ea	16500	19800
Dam	Dam Rehab, Greater than 500 Acre Drainage Area	ea	22500	27000

1. Upland Treatment is required. **See General Provision 8.**
2. The rehabilitation items will be used when an existing structure is reconstructed to restore the original function.

**PRACTICE STANDARD 356 - DIKE (ft)**

Practice	Component	Unit	PR/unit	HUP/unit
Dike	Ring Dike height 4 ft or less	ft	10.28	12.34
Dike	Ring Dike height 4.1 ft to 6ft	ft	13.99	16.79
Dike	Ring Dike height greater than 6 ft	ft	24.67	29.60

1. Fill Height is measured at centerline using average ground at low point to design height.

**PRACTICE STANDARD 362 - DIVERSION (ft)**

Practice	Component	Unit	PR/unit	HUP/unit
Diversion	Diversion- earthen	ft	2.69	3.22
Diversion	Diversion – concrete curb	ft	6.03	7.24

1. Upland Treatment is required. See General Provision 8.
2. The use of tile or other underground pipe to drain hillside seeps, low or wet spots in fields is not an eligible single component of this practice.

**PRACTICE STANDARD 554 – DRAINAGE WATER MANAGEMENT (ac)**

Component	Unit	PR/unit	HUP/unit	Payment Cap
Drainage Water Management	ea	57	68	1100

1. Drainage Water Management is eligible only on those acres served by water control structures. Payment is per water control structure.
2. A Drainage Water Management plan must be developed, submitted, approved and implemented prior to certifying the initial payment for 554.
3. Payment is authorized on eligible acres not to exceed 3 separate payments during the term of a contract.

**PRACTICE STANDARD 647 - EARLY SUCCESSIONAL HABITAT DEVELOPMENT AND MANAGEMENT (ac)**

Component	Unit	PR/unit	HUP/unit	Payment Cap
Brushland and Browse Management – mowing or shearing	ac	101	122	
Wildlife forest openings – mechanical - mowing	ac	160	287	
Wildlife forest openings - mechanical – for trees less than 8DBH	ac	550	660	
Wildlife forest openings – mechanical – for trees 8 DBH or greater	ac	654	785	
Lime	ton	22	26	
Brushland and Browse Management - BioBaler	ac	98	118	
Brushland and Browse Management - Hydroaxe	ac	159	191	

1. Wildlife forest openings payment includes site preparation, seed, seeding, and soil amendments as appropriate based on an approved plan.
2. Prescribed Burning as a facilitating practice is an eligible component if necessary for practice application.

**PRACTICE STANDARD 382 - FENCE (ft)**

Practice	Component	Unit	PR/unit	HUP/unit
Fence	Barbed Wire or hi-tensile wire	ft	0.92	1.11
Fence	Woven Wire	ft	1.60	1.93

1. Payment is authorized for barbed wire, hi-tensile, and woven wire fences only when installed in conjunction with Prescribed Grazing or Access Control.
2. Payment is authorized for Safety Fence and Special Purpose Fence only when installed as a required facilitating practice for another practice.
3. Payment for establishing fencing is limited to permanent fences utilizing new materials except the State Conservation Engineer has approved used railroad ties or highline posts when in sound condition and free from cracking or decay.
4. Payment is not authorized for removal of existing fence, clearing obstructions or removal of woody vegetation.
5. Payment includes all appurtenances, including energizers on electric fences, gates, materials and labor.
6. Payment for perimeter fences is authorized **ONLY** for expiring CRP being converted to permanent pasture or cropland being converted to permanent pasture.

**PRACTICE STANDARD 386 - FIELD BORDER (ft)**

Practice	Component	Unit	PR/unit	HUP/unit
Field Border	< 2 acres introduced grasses and legumes	ac	174	190
Field Border	2 to 5 acres introduced grasses and legumes	ac	164	178
Field Border	> 5 acres introduced grasses and legumes	ac	160	173
Field Border	<2 acres native grasses and forbs	ac	230	257
Field Border	2 to 5 acres native grasses and forbs	ac	205	227
Field Border	>5 acres native grasses and forbs	ac	191	210

1. Payment includes seedbed preparation, seed, seeding, and soil amendments, as appropriate based on an approved seeding plan.
2. For establishment weed control see Herbaceous Weed Control (315).

**PRACTICE STANDARD 393 - FILTER STRIP (ac)**

Practice	Component	Unit	PR/unit	HUP/unit
Filter Strip	Single species introduced or native grass	ac	191	210
Filter Strip	Single species introduced or native grass with shaping	ac	258	291
Filter Strip	Introduced grasses and legumes	ac	170	185
Filter Strip	Introduced grasses and legumes with shaping	ac	230	257
Filter Strip	Mixed Native Grasses with or without forbs	ac	222	247
Filter Strip	Mixed Native Grasses with or without forbs with shaping	ac	282	319

1. The filter strip can be harvested once per year to promote stand density. For cool season mixtures, cut no lower than 4 inches between June 1 and September 1. For warm season mixtures, cut no lower than 6 – 12 inches (species dependent) between July 15 and August 15.
2. Filter strips used for the treatment of feedlot runoff are under practice standard 635.
3. Grassed waterways and other ephemeral or intermittent streams within fields are eligible to have filter strips installed along them if these watercourses discharge to permanent receiving waters.
4. Payment includes seedbed preparation, seed, seeding, and soil amendments as appropriate based on an approved seeding plan.
5. For establishment weed control see Herbaceous Weed Control (315).
6. Payment is in addition to any payment received for Access Control on the filter strip.

**PRACTICE STANDARD 666 - FOREST STAND IMPROVEMENT (ac)**

Component	Unit	PR/unit	HUP/unit	Payment Cap
Release	ac	87	157	
Thinning	ac	89	160	
Pruning	ac	23	41	

1. All improvements will be accomplished according to a detailed forest management plan.
2. Payment is authorized for pruning white pine trees for blister rust control.
3. Payment for release or thinning is not authorized on stands less than 10 years old.

**PRACTICE STANDARD 490 - FOREST SITE PREPARATION (ac)**

Component	Unit	PR/unit	HUP/unit	Payment Cap
Chemical preparation of existing cropland, grassland, sod sites	ac	22	26	
Chemical preparation on shrub/brush sites	ac	52	63	
Mechanical preparation of existing cropland, grassland, sod sites	ac	19	23	
Mechanical preparation on shrub/brush sites	ac	136	164	
Mechanical tree removal for windbreak sites	ac	1078	1294	

1. Forest Site Preparation (490) should be used in conjunction with Tree and Shrub Establishment, Windbreak, Riparian Forest Buffer, Upland Wildlife Habitat Management and Restoration And Management Of Declining Habitats.

**PRACTICE STANDARD 410 - GRADE STABILIZATION STRUCTURE (no)**

<b>Practice</b>	<b>Component</b>	<b>Unit</b>	<b>PR/unit</b>	<b>HUP/unit</b>
Grade Stabilization Structure	Drop Spillway Structure	ft of drop	3750	4500
Grade Stabilization Structure	Fabric Reinforced Vegetated Chute	ft of drop	571	686
Grade Stabilization Structure	Flexible Armor Chute - Per Foot of Drop	Ft of drop	2100	2520
Grade Stabilization Structure	Pipe Drop - Drainage Area - 0 to 10 Acres	ea	3750	4500
Grade Stabilization Structure	Pipe Drop - Drainage Area - 10.1 to 20 Acres	ea	6000	7200
Grade Stabilization Structure	Pipe Drop - Drainage Area - 20.1 to 40 Acres	ea	11250	13500
Grade Stabilization Structure	Pipe Drop - Drainage Area - 40.1 to 80 Acres	ea	15000	18000
Grade Stabilization Structure	Pipe Drop - Drainage Area - 80.1 to 250 Acres	ea	22500	27000
Grade Stabilization Structure	Pipe Drop - Drainage Area - 250.1 to 500 Acres	Ea	45000	54000
Grade Stabilization Structure	Pipe Drop - Drainage Area - Greater than 500 Acres	ea	60000	72000
Grade Stabilization Structure	Pipe Drop Rehab - Drainage Area - 0 to 10 Acres	ea	2250	2700
Grade Stabilization Structure	Pipe Drop Rehab - Drainage Area - 10.1 to 20 Acres	ea	3750	4500
Grade Stabilization Structure	Pipe Drop Rehab - Drainage Area - 20.1 to 40 Acres	ea	7500	9000
Grade Stabilization Structure	Pipe Drop Rehab - Drainage Area - 40.1 to 80 Acres	ea	9000	10800
Grade Stabilization Structure	Pipe Drop Rehab - Drainage Area - 80.1 to 250 Acres	ea	11250	13500
Grade Stabilization Structure	Pipe Drop Rehab - Drainage Area - 250.1 to 500 Acres	ea	16500	19800
Grade Stabilization Structure	Pipe Drop Rehab - Drainage Area greater than 500 acres	Ea	22500	27000
Grade Stabilization Structure	Side Inlet Structure - Drainage Area - 0 to 80 Acres	ea	2863	3435
Grade Stabilization Structure	Side Inlet Structure - Drainage Area - 80.1 to 250 Acres	ea	4283	5139
Grade Stabilization Structure	Side Inlet Structure - Drainage Area - Greater than 250 Acres	ea	6471	7766

1. Upland Treatment is required. **See General Provision 8.**
2. The Pipe Drop Rehabilitation practice is to be used when an existing embankment structure is reconstructed to restore the original function.

**PRACTICE STANDARD 412 - GRASSED WATERWAY (ac)**

Component	Unit	PR/unit	HUP/unit	Payment Cap
Fabric Barrier	lin ft of fabric	1.19	1.43	
Grassed Waterway - Less than 12 Ft Bottom Width	lin ft	1.06	1.27	
Grassed Waterway - 12 to 16 Ft Bottom Width	lin ft	1.25	1.49	
Grassed Waterway – 16.1 to 20 Ft Bottom Width	lin ft	1.95	2.34	
Grassed Waterway - 20.1 to 35 Ft Bottom Width	lin ft	2.14	2.57	
Grassed Waterway - Greater than 35 Ft Bottom Width	lin ft	3.65	4.38	

1. Upland Treatment is required. **See General Provision 8.**
2. Payment is for earthwork and fabric barriers only. Seeding is covered under Critical Area Planting. Mulching or Turf Reinforcement if required are also included as separate components.
3. Fabric barriers must meet the criteria found in the Grassed Waterway standard.

**PRACTICE STANDARD 561 - HEAVY USE AREA PROTECTION (ac)**

Practice	Component	Unit	PR/unit	HUP/unit
Heavy Use Area Protection	Pad Under a Permanent Tank - Gravel	sq ft	1.01	1.21
Heavy Use Area Protection	Pad Under a Permanent Tank - Concrete	sq ft	2.75	3.29

- 1) Payment for Heavy Use Area Protection – Pads is authorized as facilitating component of Prescribed Grazing or water development with Access Control.
  - a) Payment is not authorized for protecting facilities within the farmstead.
  - b) Payment is limited to protection for permanently placed livestock watering facilities.

**PRACTICE STANDARD 315 – HERBACEOUS WEED CONTROL (ac)**

Component	Unit	PR/unit	HUP/unit	Payment Cap
Establishment weed control (2 mechanical OR 1 chemical)– grass plantings	ac	15	18	
Invasive plant species – non cropland, non woody species	ac	20	36	

- 1) Invasive Plant Species payment is authorized on **NON-CROPLAND UPLAND**. For non-woody invasives practice is authorized not to exceed 3 payments.
  - a) Payment is limited to those acres on which a specific invasive plant management action has been implemented.
  - b) Land enrolled under an easement for permanent cover is not eligible for this practice.
  - c) A detailed Invasive Plant Species plan will be developed and implemented in order to receive the payment. The plan will specify the actions that must be completed each year in order to earn that year’s payment. Qualifying invasive plant species are listed on page 2 of MN Agronomy Technical Note 16, and include the MDA Invasive Species, the MDA Prohibited Noxious Weed List, the Restricted Noxious Weeds, and MDA Secondary Noxious Weeds where those secondary noxious weeds appear on a county noxious weed list.

**PRACTICE STANDARD 468 - LINED WATERWAY OR OUTLET (ft)**

Practice	Component	Unit	PR/unit	HUP/unit
Lined Waterway or Outlet	Permanent Turf Reinforcement	sq yd	2.93	3.51
Lined Waterway or Outlet	Permanent Turf Reinforcement - With Mulch	sq yd	3.68	4.41
Lined Waterway or Outlet	Geotextile Lining	sq yd	1.81	2.17
Lined Waterway or Outlet	Rock Riprap	sq ft	1.85	2.22

1. Upland Treatment is required. **See General Provision 8.**
2. Payment is for the lining only. Earthwork, seeding, and mulching are under separate items.

**PRACTICE STANDARD 484 - MULCHING (ac)**

Practice	Component	Unit	PR/unit	HUP/unit
Mulching	Fiber Blanket	sq yd	0.95	1.14
Mulching	Hay or straw mulch, anchored OR MNDOT type 5 or 6 hydromulch	sq yd	0.33	0.39

1. Mulching will be accomplished according to a detailed seeding and mulching plan.
2. Payment is authorized for either fiber blanket or hay mulch, but not both, on the same area.

**PRACTICE STANDARD 500 - OBSTRUCTION REMOVAL (ac)**

Practice	Component	Unit	PR/unit	HUP/unit
Obstruction Removal	Clearing and Grubbing	ac	1490	2682
Obstruction Removal	Off-site Removal	Cu yd	10	18

1. Eligible when woody vegetation, debris or other unwanted material must be cleared in order to construct an enduring conservation engineering practice. This practice may not be used as a stand alone practice.
2. Measurement is to the nearest 0.1 acre of area cleared.
3. As per Fence Special Provision 4, this practice is not eligible for use with Fence.
4. Off-site Removal payment is for removal of debris where required by regulations.

**PRACTICE STANDARD 512 - PASTURE AND HAY PLANTING (ac)**

Component	Unit	PR/unit	HUP/unit	Payment Cap
Broadcast legumes into existing pasture	ac	27	33	
Introduced Grasses for Hay into cropland	ac	89	107	
Introduced grasses for Hay into sod or CRP	ac	105	126	
Native Grasses into sod or CRP	ac	135	162	
Native grasses into cropland	ac	115	138	
Introduced Grasses for Pasture into cropland	ac	93	111	
Introduced grasses for Pasture into sod or CRP	ac	113	135	
Lime	ton	22	26	
Legume Interseeding	ac	34	40	

1. Eligible plantings will be based on both:
  - a) An approved seeding plan and,
  - b) A detailed Forage Harvest Management or Prescribed Grazing plan.

2. Payments are limited to land being converted from annual crop production to permanent pasture or permanent hayland or to improve existing pasture.
3. Payment includes seedbed preparation, seed, seeding, and soil amendments as appropriate based on an approved seeding plan.
4. Payment is allowed for interseeding only to add a legume component to the pasture, to increase the number of grass species only if the pasture currently has 3 or fewer species of grass in the mix, or the pasture has greater than 35% bare ground.
5. Practice implementation must result in an environmental benefit.
6. Payment is not authorized for planting hay in crop rotation.
7. Payment is not authorized for clearing rocks or obstructions from the area to be seeded
8. Payment is not authorized for converting lands with greater than 10% woody vegetation into pasture or hayland.
9. Payment is not authorized for both Pasture and Hay Planting and Conservation Crop Rotation on the same acreage.
10. **See General Provisions 4 & 5** regarding soil testing and liming.
11. For establishment weed control see Herbaceous Weed Control (315).

#### **PRACTICE STANDARD 516 - PIPELINE (ft)**

Component	Unit	PR/unit	HUP/unit	Payment Cap
Shallow Bury (0.5-2 ft) – less than 1.25 inch pipe	lin ft	1.78	2.13	
Shallow Bury (0.5-2 ft) - 1.25 inch pipe or greater	lin ft	2.08	2.50	
Surface Pipe – less than 1.25 inch pipe	lin ft	0.81	0.97	
Surface Pipe - 1.25 inch pipe or greater	lin ft	1.11	1.34	
Deep Bury – less than 1.25 inch pipe	lin ft	1.82	2.18	
Deep Bury - 1.25 inch pipe or greater	lin ft	2.13	2.55	
Rural Water Connection	ea	6566	7880	
Directional boring	Ft	8.41	10	

1. Payment is authorized when required as a component of a Prescribed Grazing System or water development with Access Control.
2. Payment is authorized in conjunction with a Wastewater pump under the Pumping Plant practice.
3. Payment is not authorized when the pipeline will be used for any part of a human domestic water supply.

#### **PRACTICE STANDARD 378 - POND (no)**

Practice	Component	Unit	PR/unit	PR/unit
Pond	Pond - Embankment - Drainage Area - 0 to 10 Acres	ea	3747	4497
Pond	Pond - Embankment - Drainage Area - 10.1 to 20 Acres	ea	6001	7201
Pond	Pond - Embankment - Drainage Area - greater than 20 Acres	ea	11223	13468
Pond	Pond - Excavated	ea	2478	2974
Pond	Pond – Excavated Rehab	ea	1331	1598

1. Payment is authorized when required as a component of a Prescribed Grazing System.
2. Upland Treatment is required. **See General Provision 8.**
3. Excavation or embankments must be located entirely outside the boundary of any wetland.
4. All other water impoundment purposes are covered under Dam.
5. Rehab payment is limited to existing ponds that have exceeded their 20 year lifespan.

**PRACTICE STANDARD 338 - PRESCRIBED BURNING (ac)**

Practice	Component	Unit	PR/unit	HUP/unit
Prescribed Burning	Prescribed Burning by Landowner or Government Agency	ac	30	54
Prescribed Burning	Prescribed Burning by Vendor	ac	38	68

1. A detailed burn plan describing the practice objective, species to control and species to be benefited, timing, weather conditions and management guidelines will be developed.
2. Technical assistance will be provided by a technically qualified specialist.
3. All laws and regulations pertaining to burning will be followed.
4. **The conservation plan must document that the landowner has been notified in writing that they are subject to all liability due to damages caused by fire.**
5. It is the landowner's responsibility to obtain all permits and to notify surrounding landowners that may be affected.
6. Payment is eligible once every 5 years and no more than twice for the same area for the life of the contract.
7. Associated costs with obtaining and notification of neighbors, units of government, and agencies are entirely the landowner's expense.

**PRACTICE STANDARD 528 - PRESCRIBED GRAZING (ac)**

Component	Unit	PR/unit	HUP/unit	Payment Cap
Prescribed Grazing	ac	37	44	\$18,000

1. A payment is authorized on eligible acres, not to exceed 3 payments.
2. A detailed prescribed grazing plan is required.
3. Prescribed Grazing payments are not authorized for operations with less than 10 animal units (One animal unit = 1000 pounds) or for less than 15 acres.
4. Prescribed Grazing is only eligible for permanent pasture/grassland (not hayland or cropland that is intermittently grazed).
5. Woodlands not currently pastured are NOT eligible for Prescribed Grazing.
6. Wetland types 3-8 are NOT eligible for Prescribed Grazing. Acreages of these wetlands within pastures shall not be included in the payment acres.
7. Participants are eligible for the Prescribed Grazing payment as a stand alone practice or in combination with other conservation practices used in the management of livestock such as Pasture and Hay Planting, Fence, and other similar practices. However, they are not eligible for payments for Nutrient Management and Pest Management on the same acres as Prescribed Grazing.

**PRACTICE STANDARD 533 - PUMPING PLANT (no)**

Practice	Component	Unit	PR/unit	HUP/unit
Pumping Plant	New Well (pump, pitless, pres tank controls)	ea	3265	3919
Pumping Plant	Pump & Pressure Tank Upgrade	ea	2080	2496
Pumping Plant	Pressure Tank Only Upgrade	ea	1003	1203
Pumping Plant	Windmill	Ea	5180	6217
Pumping Plant	Solar Pump system, head less than 100 feet	ea	3094	3713
Pumping Plant	Solar Pump system, head 100 feet or greater	ea	6829	8194
Pumping Plant	Nose or Sling Pump	ea	435	523

- 1) Payment is for permanently placed pumps and pumping equipment. Payment for New Well; Pump & Pressure tank upgrade; Pump/Pressure Tank only upgrade; Solar Pumps; Nose or Sling Pump, and Windmill require a Prescribed Grazing system or Access Control to be performed by the participant.
  - a) Portable pumps such as, nose pumps, sling pumps and solar pumps are eligible when there is no other feasible alternative for pumping water to livestock.
  - b) Water systems for human use are not eligible.
  - c) Payment under “ New Well “ includes the pump, riser pipe, pitless adapter or well pit, pressure tank, controls, and wiring.
  - d) Payment under “Pump/Pressure Tank Upgrade” include the pump, pressure tank, controls, and wiring.
  - e) Payment under “Pressure Tank Upgrade” include the pressure tank, controls and wiring.

**PRACTICE STANDARD 345 - RESIDUE AND TILLAGE MANAGEMENT- MULCH TILL (ac)**

Component	Unit	PR/unit	HUP/unit	Payment Cap
Residue Management - Mulch Till	ac	7	8.50	\$3000

1. A payment is authorized on eligible acres, not to exceed 3 payments.
2. Payment for Residue Management- Mulch Till is limited to those fields where the primary resource concern is wind erosion and the primary soils to be addressed are in Wind Erodibility Group 1 or 2.

**PRACTICE STANDARD 329 - RESIDUE AND TILLAGE MANAGEMENT - NO TILL, STRIP TILL (ac)**

Component	Unit	PR/unit	HUP/unit	Payment Cap
Residue Management - No Till, Strip Till	ac	23	27	\$9000

1. An annual payment is authorized on eligible acres, not to exceed 3payments.

**PRACTICE STANDARD 346 - RESIDUE AND TILLAGE MANAGEMENT- RIDGE TILL (ac)**

Component	Unit	PR/unit	HUP/unit	Payment Cap
Residue Management - Ridge Till	ac	23	27	\$9000

1. A payment is authorized on eligible acres, not to exceed 3 payments.

**PRACTICE STANDARD 643 - RESTORATION AND MANAGEMENT OF DECLINING HABITATS (ac)**

Component	Unit	PR/unit	HUP/unit	Payment Cap
Oak savanna, tree planting	tree	4.66	5.60	
Red & white pine planting using seedlings	tree	3.11	3.74	
Red & white pine planting using transplants	tree	3.25	3.90	
Tree removal – Light to Moderate	ac	155	186	
Tree removal - Heavy	ac	553	664	
Tallgrass prairie conventional seeding into grass	ac	165	198	
Tallgrass prairie conventional seeding into high residue crop or no-till seeding into grass	ac	133	160	
Tallgrass prairie no-till seeding into soybeans	ac	128	153	
Animal repellent or Bud Caps	tree	0.15	0.18	
Tree Shelter	ea	3.49	4.19	

1. A detailed plan is required, in accordance with the specifications outlined in the NRCS practice standard.
2. Establishment may consist of only one of the following options on the same acreage: 1) Tallgrass Prairie, 2) Tallgrass Prairie and Oak Savanna, or 3) Red/White Pine.
3. Payment rate for Tallgrass Prairie includes site preparation, seed, seeding, and soil amendments as appropriate based on an approved plan..
4. Payment rate for Oak savanna and Red & White pine includes trees, planting, and establishment weed control..
5. For tree seedbed preparation see Forest Site Preparation (490).
6. Tree shelters are permitted with hardwood plantings only.
7. Prescribed Burning as a facilitating practice is an acceptable form of site preparation when it is considered to be the most ecological and economical option.
8. Tree removal – Light to Moderate is the removal of scattered encroaching trees/brush
9. Tree removal – Heavy is the removal of existing established woodlots, shelterbelts, and windbreaks.

**PRACTICE STANDARD 391 - RIPARIAN FOREST BUFFER (ac)**

Component	Unit	PR/unit	HUP/unit	Payment Cap
Riparian forest buffer	tree	4.40	5.21	
Direct seeding	ac	471	546	
Tree Shelter	ea	3.49	4.19	
Animal repellent or Bud Caps	tree	0.15	0.18	

1. Payment is for establishing woody cover. Establishing woody cover shall follow the limits listed in Tree/Shrub Establishment (612). Short Rotation Intensive Culture or Wood Farming is **NOT** eligible for payment under Riparian Forest Buffer (391).
2. Payment rate for Riparian forest buffer includes trees, planting, and establishment weed control.
3. For tree seedbed preparation see Forest Site Preparation (490), except for Direct Seeding. Direct Seeding payment includes site preparation, seed, and seeding.
4. Tree shelters are permitted with hardwood plantings only.

## PRACTICE STANDARD 610 - SALINITY AND SODIC SOIL MANAGEMENT (ac)

Practice	Component	Unit	PR/unit	HUP/unit
Salinity And Sodic Soil Management	Grass planting for saline soils	ac	85	98

1. Salinity And Sodic Soil Management is authorized for fields with saline map units or an EM-38 reading equal to or above 4 dS/m
2. For establishment weed control see Herbaceous Weed Control (315).

## PRACTICE STANDARD 350 - SEDIMENT BASIN (no)

Practice	Component	Unit	PR/unit	HUP/unit
Sediment Basin	Feedlot Slotted Wall	lin ft	42	50
Sediment Basin	Controlled outlet with concrete bottom	sq ft	3.14	3.77
Sediment Basin	Silt Fence	lin ft	1.73	2.07
Sediment Basin	Flotation silt curtain	ea	500	600

1. The feedlot slotted wall item may be combined with the "Concrete Scrape Alley" item under Manure Transfer where needed to provide a concrete bottom for maintenance.
2. The square foot area measured for controlled outlet sediment basins is the area of the concrete bottom.
3. The Silt Fence is for temporary sediment control on construction sites associated with a conservation practice located on the edge of cropland or on non-cropland. This practice is not to be used across concentrated flow areas such as waterways.

## PRACTICE STANDARD 574 - SPRING DEVELOPMENT (no)

Practice	Component	Unit	PR/unit	HUP/unit
Spring Development	Spring Development	ea	3282	3938

1. Payment is authorized when required as a component of a Prescribed Grazing System.
2. All Federal, State, and Local laws and regulations pertaining to wetlands must be followed.

## PRACTICE STANDARD 578 - STREAM CROSSING (no)

Practice	Component	Unit	PR/unit	HUP/unit
Stream Crossing	Stream Crossing	ln ft	33	40

1. Payment is authorized only for crossings installed in conjunction with Prescribed Grazing, Grassed Waterway, or Access Control.
2. All Federal, State, and Local laws and regulations must be followed and needed permits obtained prior to construction.

**PRACTICE STANDARD 395 - STREAM HABITAT IMPROVEMENT (ft)**

Practice	Component	Unit	PR/unit	HUP/unit
Stream Habitat Management and Improvement	Fish lunger structure – set of 3	ea	544	653
Stream Habitat Management and Improvement	Woody debris dam	ft	3.88	4.65
Stream Habitat Management and Improvement	Structures –Weirs, barbs	site	408	489

1. No special provisions.

**PRACTICE STANDARD 580 - STREAMBANK AND SHORELINE PROTECTION (ft)**

Component	Unit	PR/unit	HUP/unit	Payment Cap
Bank shaping for vegetative treatment	sq yd	0.66	0.79	
Cable concrete	sq ft	7.50	9	
Stream barbs	cu yd	48	57	
Riprap	sq ft	4.32	5.18	

1. No special provisions.

**PRACTICE STANDARD 585 - STRIPCROPPING (ac)**

Practice	Component	Unit	PR/unit	HUP/unit
Stripcropping	Contour Stripcropping	ac	39	46
Stripcropping	Wind Stripcropping	ac	8.71	10

1. Participants are eligible on those field acres for an annual payment of \$39/acre established to contour stripcropping, OR \$8.71/acre to establish wind stripcropping, for up to 320 acres per year, per Operation, not to exceed 3 years. **See General Provision 11.**
2. End rows shall be established as Field Borders (386) or will have soil erosion rates less than “T”.
3. Payment is not allowed on both Stripcropping (585) and Contour Farming (330) on the same acres.

**PRACTICE STANDARD 587 - STRUCTURE FOR WATER CONTROL (no)**

Practice	Component	Unit	PR/unit	HUP/unit
Structure for Water Control	Structure for Water Control – 24 inch or less culvert under field access point	Ft of culvert	21	25
Structure for Water Control	Structure for Water Control – greater than 24 inch culvert under field access point	Ft of culvert	31	37
Structure for Water Control	Structure for Water Control – drainage water management system	ea	750	900

1. Structure for Water Control- drainage water management system is eligible only where an existing pattern tile system exists and is modified for drainage water management.
2. Payment rate includes the water control structure, fittings, piping and anti-seep diaphragms, and couplings needed to attach the control structure to the existing tile.
3. Technical assistance for Structure for Water Control- drainage water management system will be provided by designers/installers certified by the Agricultural Drainage Management Coalition.

**PRACTICE STANDARD 606 - SUBSURFACE DRAIN (ft)**

<b>Practice</b>	<b>Component</b>	<b>Unit</b>	<b>PR/unit</b>	<b>HUP/unit</b>
Subsurface Drain	Subsurface Drain - 6" and smaller	lin ft	1.31	1.57
Subsurface Drain	Subsurface Drain - 8 inch	lin ft	1.84	2.21
Subsurface Drain	Subsurface Drain - 10 inch	lin ft	2.98	3.57
Subsurface Drain	Subsurface Drain - 12 inch	lin ft	4.26	5.11
Subsurface Drain	Subsurface Drain - 15 inch (or 14" concrete)	lin ft	5.28	6.34
Subsurface Drain	Subsurface Drain - 18 Inch (or 16 Inch Concrete)	lin ft	8.20	9.84
Subsurface Drain	Subsurface Drain - Dual Wall - 6 Inch	lin ft	2.36	2.84
Subsurface Drain	Subsurface Drain - PVC - 6 Inch	lin ft	3.64	4.37
Subsurface Drain	Subsurface Drain - Dual Wall - 8 Inch	lin ft	3.61	4.33
Subsurface Drain	Subsurface Drain - PVC - 8 Inch	lin ft	5.40	6.48
Subsurface Drain	Subsurface Drain - Dual Wall - 10 Inch	lin ft	4.62	5.55
Subsurface Drain	Subsurface Drain - PVC - 10 Inch	lin ft	8.63	10
Subsurface Drain	Subsurface Drain - Dual Wall - 12 Inch	lin ft	5.59	6.71
Subsurface Drain	Subsurface Drain - PVC - 12 Inch	lin ft	12.00	14.00
Subsurface Drain	Subsurface Drain - Dual Wall - 15 Inch	lin ft	7.65	9.18
Subsurface Drain	Subsurface Drain - Dual Wall - 18 Inch	lin ft	10.00	12.00
Subsurface Drain	Envelope Material for Tile Pipe 12" and greater	Lin ft	1.50	1.80
Subsurface Drain	Envelope Material for Tile Pipe less than 12"	Lin ft	0.90	1.08
Subsurface Drain	Waste Storage Perimeter Drain 9 ft depth or less	lin ft	11.00	14.00
Subsurface Drain	Waste Storage Perimeter Drain greater than 9' depth	lin ft	18.00	21.60

1. Perforated drains may only be used as a component of a conservation practice to the extent required to provide drainage necessary to facilitate the conservation purpose of the practice.
  - a. Subsurface drain is not eligible as a stand alone practice or as part of a controlled drainage system.
  - b. The engineering design must indicate the minimum diameter and length needed for the conservation purpose. When the producer chooses to use a larger diameter, he or she shall identify, in writing the purpose of larger drain and indicate the area that it will serve. The Payment rate will be based upon the size required for the conservation purpose.
2. Waste Storage Perimeter Drain shall include filter material brought high enough to control the seasonal high water level.

**PRACTICE STANDARD 600 - TERRACE (ft)**

Component	Unit	PR/unit	HUP/unit	Payment Cap
Terrace - Narrow Base – 6% slopes or less	lin ft	2.44	2.93	
Terrace - Narrow Base – greater than 6% slopes	lin ft	3.19	3.83	
Terrace - Narrow Base – graded w/ grass outlet	Lin ft	0.98	1.17	
Terrace - Broad Base – graded w/ grass outlet	Lin ft	1.35	1.62	
Terrace - Farmable Front w/grassed back slope - Less than 24 feet front	lin ft	3.19	3.83	
Terrace - Farmable Front w/grassed back slope - 24 feet or greater front	lin ft	3.64	4.37	
Terrace - Broad Base - Less than 24 feet front slope	lin ft	2.63	3.15	
Terrace - Broad Base - 24 feet to 32 ft front slope	lin ft	4.13	4.95	
Terrace - Broad Base - Greater than 32 ft front slope	lin ft	5.25	6.30	

1. Upland Treatment is required. See General Provision 8.

**PRACTICE STANDARD 612 - TREE/SHRUB ESTABLISHMENT (ac)**

Component	Unit	PR/unit	HUP/unit	Payment Cap
Conifer seedlings	tree	0.61	0.73	
Conifer transplants or Short rotation planting	tree	0.83	1.00	
Direct Seeding	ac	383	459	
Hardwood planting	tree	0.75	0.89	
Tree Shelter	ea	3.49	4.19	
Animal repellent or Bud Caps	tree	0.15	0.18	

1. Payment rate includes cost of seedlings, planting, and establishment weed control. .
2. The following species of trees may be approved providing they are adapted to the soil, climatic and moisture conditions, and the site: White spruce, black spruce, red pine, jack pine, white pine, sugar maple, soft maple, basswood, green ash, white ash, cottonwood, red oak, black cherry, black walnut, and white oak. Other species may be approved if recommended by the technician.
3. Solid plantings should not be more than 1000 or less than 400 trees per acre.
4. Weed Control for establishment will be accomplished within 12 months from planting.
5. For site preparation, use Forest Site Preparation (490) as a facilitating practice, except for Direct Seeding. Direct Seeding payment includes site preparation, seed, and seeding.
6. Tree shelters are permitted with hardwood plantings only.

## PRACTICE STANDARD 620 - UNDERGROUND OUTLET (ft)

Component	Unit	PR/unit	HUP/unit	Payment Cap
Perforated riser - 10 Inch and Smaller	ea	163	196	
Perforated riser - Larger than 10 Inch	ea	418	501	
Blind Intakes	ea	345	414	
Rigid Outlet Pipe w/ Rodent Guard, 16 foot or less	ea	202	243	
Rigid Outlet Pipe w/ Rodent Guard, greater than 16 foot	ea	281	338	
Ring Dike of 4 ft or less	ea	3024	3629	
Ring Dike of 4.1 ft to 6 ft	ea	3150	3780	
Ring Dike of greater than 6 ft	ea	3434	4120	
Directional boring	lf	38	45	

1. Horizontal drain lines are paid under practice 606, Subsurface Drain.
2. Payment for Underground Outlet is only authorized as a supporting practice for Terrace (600), Water and Sediment Control Basin (638), Diversion (362), Grassed Waterway (412), Subsurface Drain (606), and Roof Runoff Management (558).
3. Underground Outlet for Dike is eligible **ONLY** as a facilitating practice to Dike (356) and only in the Red River Valley as part of the Ring Dike Initiative.
4. Directional boring is authorized for boring an underground outlet only under a state, county, or township road or railroad. Size of pipe shall be 10 inch diameter minimum.

## PRACTICE STANDARD 645 - UPLAND WILDLIFE HABITAT MANAGEMENT (ac)

Component	Unit	PR/unit	HUP/unit	Payment Cap
Tree & shrub planting - seedlings	tree	2.86	3.44	
Tree & shrub planting – direct seeding	ac	383	459	
Tree & shrub planting - transplants	tree	3.55	4.26	
Introduced grasses and legumes	ac	50	60	
Switchgrass planting	ac	85	101	
Native grasses/forbs conventional planting into crop	ac	122	147	
Native grass/forbs conventional planting into grass	ac	142	170	
Native grasses/forbs no-till planting	ac	98	118	
Pollinator habitat management	ac	15	18	
Pollinator mix natives, conventional planting into crop	ac	204	245	
Pollinator mix natives, conventional planting into grass	ac	224	269	
Pollinator mix natives, no-till planting into soybeans	ac	180	216	
Lime	ton	22	26	
Hibernaculum	ea	465	837	
Tree Shelter	ea	3.49	4.19	
Animal repellent or Bud Caps	tree	0.15	0.18	

1. Tree/shrub plantings under Upland Wildlife Habitat Management shall be on sites of 10 acres or less per contract. Tree/shrub plantings greater than 10.0 acres per contract will be planned and payment made in accordance with practice standard Tree Planting - 612.
2. For introduced grasses and legumes, a soil test during the year of seeding or the preceding two calendar years is required to determine the needs of commercial fertilizer and liming materials. The rate of application of commercial fertilizer and lime shall be no more than 100% of the recommended rate per acre of total available plant food. Small grain nurse crops must be left unharvested until August 1 of the establishment year to be eligible for Payment reimbursement.
3. Practices will be protected from mowing, grazing, and uncontrolled fire for the duration of the contract unless specifically identified in the management plan.
4. Payment is only authorized when a Wildlife Management Plan has been developed that identifies the species being addressed and needed practices.
5. Payment rate for grass includes seedbed preparation, seeding, seed, and soil amendments as appropriate based on an approved plan.
6. Payment rate for trees includes cost of all trees, planting, in-row weed control, and vegetative covers between rows as planned.
7. For tree site preparation see Forest Site Preparation (490) except for Direct Seeding which includes site preparation.
8. For weed control for grass seedings see Herbaceous Weed Control (315).
9. Tree shelters are permitted with hardwood plantings only.
10. Pollinator habitat payment is authorized on all eligible 645 acres, not to exceed 3 payments. To receive the payment the management plan must meet the 645 standard AND the Pollinator guidelines to accomplish season long flowering on the enrolled field. Meeting these requirements will necessitate the use of native plant materials.
11. Animal repellent or bud caps as needed for tree establishment.
  - e. Animal repellent is authorized up to 2 applications per year for the first 48 months. The only authorized repellants are Deer Away Big Game Repellent Powder and Plantskydd. Other sprays must be authorized by the state office prior to use.
  - f. Bud caps are authorized for annual installation for the first 48 months,

**PRACTICE STANDARD 601 - VEGETATIVE BARRIER (ft)**

Practice	Component	Unit	PR/unit	HUP/unit
Vegetative Barrier	Permanent vegetation strip	ft	0.13	0.16

1. Payment is for seedbed preparation, seeding, seed, and soil amendments as appropriate based on an approved plan.
2. For establishment clipping see Herbaceous Weed Control (315).

**PRACTICE STANDARD 638 - WATER AND SEDIMENT CONTROL BASIN (no)**

Component	Unit	PR/unit	HUP/unit	Payment Cap
3 Ft Fill Height or less	ea	750	900	
3.1 to 4 ft Fill Height	ea	1250	1500	
4.1 to 5 ft Fill Height	ea	1750	2100	
5.1 to 6 Ft Fill Height	ea	2250	2700	
Greater than 6 Ft Fill Height and a Drainage Area less than 10 Acres	ea	3375	4050	
Greater than 6 ft fill height and a Drainage Area 10 to 20 Acres	ea	4500	5400	
6.1 to 10 ft fill height and a Drainage Area 20 to 40 Acres	ea	6750	8100	
Greater than 10 Ft Fill Height and a Drainage Area 20 to 40 Acres	ea	9000	10800	

1. Upland Treatment is required. **See General Provision 8.**
2. **Fill Height is measured at centerline using average ground at low point to design height.**

**PRACTICE STANDARD 614 - WATERING FACILITY (no)**

Component	Unit	PR/unit	HUP/unit	Payment Cap
Summer – manufactured tanks	gal	0.97	1.16	
Watering Facility - winter - Less than 150000 lb herd weight	ea	708	849	
Watering Facility - winter - Greater than 150000 lb herd weight	ea	928	1113	
Storage Tank	gal	0.69	0.83	

1. Payment is authorized when required as a component of a Prescribed Grazing System or water development with Access Control.
2. Payment is not authorized for Watering Facilities within the area of the farmstead or feedlots.
3. Payment is authorized for winter watering facilities only when necessary for wintering livestock on the pasture. Only one frost-free watering facility may be cost shared for each 120 acres of pasture.
4. Water systems for human use are not eligible.
5. The use of used heavy equipment tires in the fabrication of watering facilities is approved.

**PRACTICE STANDARD 642 - WELL (no)**

Practice	Component	Unit	PR/unit	HUP/unit
Well	Well Drilling	ft	24	29

1. Payment is authorized when required for providing stock water as a component of Prescribed Grazing or water development with Access Control (472).
2. Pumps associated with Well are under Practice 533, Pumping Plant.
3. Payment is not authorized for dry wells.

**PRACTICE STANDARD 657 - WETLAND RESTORATION (ac)**

Component	Unit	PR/unit	HUP/unit	Payment Cap
Wetland Restoration - Ditch Plugs	ea	375	450	
Wetland Restoration - Embankments	cu yd	4.50	5.40	
Wetland Restoration - Scrapes	ac	4500	5400	
Wetland Restoration - Tile Breaks	ea	375	450	
Wetland Restoration - Water Control Structures	ea	1875	2250	

1. The producer is responsible for obtaining easements, right of ways, local, state and federal permits and other permission necessary to perform and maintain the practice. Expenses incurred due these items are not cost shared. Cost share payments will not be made until proof of necessary permits has been provided.
2. The restored area shall not be used:
  - a) For irrigation or livestock watering purposes
  - b) To produce agricultural commodities.
  - c) For grazing livestock.
3. Critical Area Planting may be used as a facilitating practice for necessary seed and seeding.
4. Upland Treatment is required. **See General Provision 8.**
5. **Wetland creation on upland soils is eligible only where the primary purpose is shallow water wildlife habitat creation.**

**PRACTICE STANDARD 380 - WINDBREAK (ft)**

Component	Unit	PR/unit	HUP/unit	Payment Cap
Farmstead, planted	ft of rows	0.73	0.88	
Field, single row, planted	ft of row	0.49	0.59	
Field, single row potted, planted	ft of row	0.84	1.01	
Living snow fence, planted	ft of rows	0.66	0.80	
Tree Shelter	ea	3.49	4.19	

1. For tree site preparation see Forest Site Preparation (490).
2. Payment rate includes cost of all trees, planting, in-row weed control, and vegetative covers between rows as planned.
3. Tree shelters are permitted with hardwood plantings only