

MO 2018 EQIP-NWQI

Environmental Quality Incentives Program National Water Quality Initiative Policy

December 1, 2017

This Policy is based on the Final Rule for EQIP, Federal Register 7 CFR Part 1466 published May 12, 2016.

The practices detailed in this Policy will address high-priority water resource concerns in small watersheds with impaired streams and/or waterbodies by offering financial assistance to eligible producers with acres located in any of the targeted Missouri-specific watersheds: Givins Branch-Niangua River in Webster and Dallas Counties (HUC 102901100103), Basin Fork in Pettis and Johnson Counties (HUC 103001030202), Upper Troublesome Creek in Knox and Lewis Counties (HUC 071100030202)

NRCS will verify Beginning Farmer, Limited Resource Farmer, and/or Veteran Farmer status prior to contract obligation. There is no verification process for participants who self certify as Socially Disadvantaged. All practices must meet the minimum criteria in the Conservation Practice Standard (see the Missouri eFOTG) and the criteria listed below.

If the applicant is a tenant, the applicant must obtain written evidence or assurance of control from the landowner prior to contract obligation. Control may be a written lease, other legal agreement, or letter signed by the landowner indicating the length of control. Zero payment share landowner signature on the contract document does not demonstrate control of land.

Payment Scenarios - Each conservation practice listed in this policy has one or more payment scenarios available. The scenario nomenclature is determined by NRCS at the regional or national level. Where the scenario name is not descriptive enough to cover all the State Conservationist and State Technical Committee approved uses of the scenario for Missouri, a footnote has been added directly below the scenario name to clarify its use in planning and contract development.

Management Practices - Management practice payments are only available on acres where the practice has not been previously applied (with or without financial assistance), or where the practice will result in a higher level of quality or conservation benefit.

Structural Practices - Structural practices include conservation practices that are either structural or vegetative, and have a multi-year lifespan. Structural practices involve the establishment, construction, or installation of site-specific measures. Payments are established as a one-time payment. In addition to control of land, tenants must obtain and provide to NRCS prior to obligation written concurrence from the landowner to apply a structural or vegetative practice. In lieu of written concurrence, the landowner may be a signatory to the contract with 0% payment shares to indicate their concurrence.

Conservation Activity Plans (CAP) - Conservation Activity Plans are conservation plans developed for producers to assist in identifying conservation practices needed to address a specific natural resource need. CAPs are completed by NRCS certified Technical Service Providers (TSP). The list of NRCS certified TSPs is available on the NRCS TSP webpage: www.nrcs.usda.gov/wps/portal/nrcs/main/national/programs/technical/tsp

Screening Criteria: Use of the national screening criteria is required and all eligible applications must have an assigned priority of "High", "Medium", or "Low" recorded in ProTracts.

Maximum Payments - Maximum payments, where identified in this policy, are implemented at the contract item (CIN) Level in ProTracts by using the Cost Share Cap input box. The contract may have multiple CINs for a practice, however each CIN must be capped utilizing the Cost Share Cap input box at the Maximum Payment level identified in this policy.

Practice Code	Conservation Practice	Maximum Payment	HU Maximum Payment	Practice Unit/ Payment Unit	Payment Rate	HU Payment Rate 1/	Lifespan (Years)
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102 Comprehensive Nutrient Management Plan

Planning CAP

Number

1

Non-Dairy Operation Less Than 300 AU with Land Application	Each	\$6,263.67	\$7,516.41
Dairy Operation Less Than 300 AU with Land Application	Each	\$7,814.76	\$9,377.71
Non-Dairy Operation Greater Than or Equal to 300 AU and Less Than 700 AU with Land Application	Each	\$8,067.99	\$9,681.58
Dairy Operation Greater Than or Equal to 300 AU and Less Than 700 AU with Land Application	Each	\$8,929.78	\$10,715.74
Non-Dairy Operation Greater Than or Equal to 700 AU with Land Application	Each	\$9,745.87	\$11,695.04
Dairy Operation Greater Than or Equal to 700 AU with Land Application	Each	\$9,929.80	\$11,915.76
Livestock Operation Less Than 300 AU without Land Application	Each	\$5,641.85	\$6,770.22
Livestock Operation Greater Than 300 AU without Land Application	Each	\$7,009.01	\$8,410.81

The following 4 CNMP scenarios are applicable for revisions/updates to existing CNMPs where the nutrient utilization portion of the CNMP needs updating. These scenarios are not applicable if updates are needed to the waste storage, waste transfer or animal mortality system(s). In those cases, refer to one of the above scenarios.

CNMP Less Than or Equal to 300 AU with Land Application (Minimal Engineer Assistance)	Each	\$3,633.08	\$4,359.70
CNMP Less Than or Equal to 300 AU without Land Application (Minimal Engineer Assistance)	Each	\$2,126.83	\$2,552.20
CNMP Greater Than 300 AU with Land Application (Minimal Engineer Assistance)	Each	\$4,771.55	\$5,725.86
CNMP Greater Than 300 AU without Land Application (Minimal Engineer Assistance)	Each	\$2,414.34	\$2,897.21

1 *Must be completed by a NRCS certified Technical Service Provider (TSP).*

2 *Financial assistance is not authorized for new operations.*

3 *Payment for this practice is only authorized for Animal Feeding Operations (AFO) (see definition in footnote 3/).*

4 *AU = Animal Unit as defined by NRCS. See the Animal Unit Activity Sheet available through the NRCS Employee Missouri SharePoint.*

5 *The "Without Land Application" scenarios are authorized for operations that export (or plan to export) greater than 50% manure or agricultural by-products produced by their operation.*

6 *The CNMP must be developed for animal waste management operations under the control of the applicant (either directly or indirectly through lease, contract, or other agreements).*

Practice Code	Conservation Practice	Maximum Payment	HU Maximum Payment	Practice Unit/ Payment Unit	Payment Rate	HU Payment Rate 1/	Lifespan (Years)
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7 A CNMP is required prior to providing technical and/or financial assistance for an animal waste management system through EQIP. The CNMP must describe the waste management system and the conservation practice(s).

8 Only one Conservation Activity Plan may be concurrently approved and developed on an eligible land unit (e.g., field) at the same time, and must cover all eligible acres currently under the control of the applicant and included in their conservation plan.

130	Drainage Water Management Plan						
	<i>Practice CAP</i>			Number			1
	DWMP - Tile Map Available			Each	\$2,049.37	\$2,459.25	
	DWMP - No Tile Map Available			Each	\$2,444.86	\$2,933.83	

1 Must be completed by a NRCS certified Technical Service Provider (TSP).

3 Only one Conservation Activity Plan may be concurrently approved and developed on an eligible land unit (e.g., field) at the same time, and must cover all eligible acres currently under the control of the applicant and included in their conservation plan.

4 A producer is NOT required to have this Conservation Activity Plan to receive EQIP financial or technical assistance for related activities.

118	Irrigation Water Management Plan						
	<i>Practice CAP</i>			Number			1
	Irrigation Water Management Conservation Activity Plan CAP			Each	\$2,412.52	\$2,895.02	
	Irrigation Water Management CAP with pump test			Each	\$3,791.10	\$4,549.32	

1 Must be completed by a NRCS certified Technical Service Provider (TSP).

2 Only one Conservation Activity Plan may be concurrently approved and developed on an eligible land unit (e.g., field) at the same time, and must cover all eligible acres currently under the control of the applicant and included in their conservation plan.

3 A producer is not required to have this Conservation Activity Plan to receive EQIP financial or technical assistance for related activities.

Practice Code	Conservation Practice	Maximum Payment	HU Maximum Payment	Practice Unit/ Payment Unit	Payment Rate	HU Payment Rate 1/	Lifespan (Years)
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104	Nutrient Management Plan						
	<i>Practice CAP</i>			Number			1
	Nutrient Management CAP Less Than or Equal to 100 Acres (Not part of a CNMP)			Each	\$1,766.27	\$2,119.53	
	Nutrient Management CAP 104 Less Than or Equal to 100 Acres (Element of a CNMP)			Each	\$2,943.79	\$3,532.55	
	Nutrient Management CAP 104- 101-300 Acres (Not part of a CNMP)			Each	\$2,355.03	\$2,826.04	
	Nutrient Management CAP 104 - 101-300 Acres (Element of a CNMP)			Each	\$4,121.31	\$4,945.57	
	Nutrient Management CAP 104 Greater Than 300 Acres (Not part of a CNMP)			Each	\$2,943.79	\$3,532.55	
Nutrient Management CAP 104 Greater Than 300 Acres (Element of a CNMP)			Each	\$5,004.44	\$6,005.33		

- 1 *Must be completed by a NRCS certified Technical Service Provider (TSP).*
- 2 *Only one Conservation Activity Plan may be concurrently approved and developed on an eligible land unit (e.g., field) at the same time, and must cover all eligible acres currently under the control of the applicant and included in their conservation plan.*
- 3 *A Nutrient Management Plan is required prior to providing technical and/or financial assistance for Nutrient Management through EQIP.*

472	Access Control						
	<i>Structural</i>	Core		Acre			10
	Animal exclusion from sensitive areas			Acre	\$33.87	\$45.05	

- 1 *Payment is authorized to exclude livestock only if livestock currently have access to the area to be excluded at the time of EQIP application. An EQIP funded Permanent Fence (382) is required in conjunction with this practice.*
- 2 *Payment is based on the number of acres protected from livestock.*
- 3 *To avoid duplicate foregone income payments, (472) Access Control payment is not authorized on the same acres as financial assistance for (327) Conservation Cover, (386) Field Border, (390) Riparian Herbaceous Cover, (332) Contour Buffer Strips, (391) Riparian Forest Buffer, (380) Windbreak/Shelterbelt Establishment, and/or (612) Tree/Shrub Establishment-Direct Seeding Scenario only.*
- 4 *See the (472) Access Control conservation practice standard.*

Practice Code	Conservation Practice	Maximum Payment	HU Maximum Payment	Practice Unit/ Payment Unit	Payment Rate	HU Payment Rate 1/	Lifespan (Years)
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316	Animal Mortality Facility	Core	\$50,000	\$70,000	Number		15		
	<i>Structural</i>				Lb/Day			\$26.94	\$32.33
	Incinerator				Lb/Day			\$20.45	\$24.54
	Small Animal Composter <i>Average weight <10 lbs</i>				Lb/Day			\$81.92	\$98.30
	Medium - Low Animal Composter <i>Average weight 10-50 lbs</i>				Lb/Day			\$195.48	\$234.58
	Medium- High Animal Composter <i>Average weight 51-500 lbs</i>				Lb/Day			\$281.00	\$337.20
Large Animal Composter <i>Average weight >500 lbs</i>									

- 1 Payment for this practice is only authorized when included as a planned practice in a CNMP approved prior to the EQIP application cutoff date.
- 2 Payment for this practice is only authorized for Animal Feeding Operations (AFO) (see definition in footnote 3/).
- 3 For plans including manufactured mortality management system, such as in-vessel composters, contact the state engineer for planning and contracting assistance.
- 4 See the MO NRCS " Pre-Engineered Structure" Activity Sheet and the (316) Animal Mortality Facility conservation practice standard.

317	Composting Facility	Core			Number		15		
	<i>Structural</i>				Sq Ft			\$0.19	\$0.23
	Compacted Earth Pad				Sq Ft			\$0.70	\$0.84
	Compacted Gravel Pad, 6 inch compacted gravel <i>Scenario is applicable for any compacted gravel depth that meets standards and specifications</i>				Sq Ft			\$3.59	\$4.30
	Concrete Pad				Cu Ft			\$1.78	\$2.13
Concrete Slab Under Concrete Bin Dividers									

- 1 Payment for this practice is only authorized when included as a component of an existing CNMP.
- 2 See the (317) Composting Facility conservation practice standard.

Practice Code	Conservation Practice	Maximum Payment	HU Maximum Payment	Practice Unit/ Payment Unit	Payment Rate	HU Payment Rate 1/	Lifespan (Years)
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327	Conservation Cover						5	
	<i>Structural</i>	Core		Acre				
	Introduced with Forgone Income				Acre	\$417.65		\$543.40
	<i>Scenario is applicable to introduced grass/legumes and perennial green browse.</i>							
	Native Species with Forgone Income				Acre	\$460.28		\$594.56
	Pollinator Species with Forgone Income				Acre	\$1,105.85		\$1,369.24
<i>Scenario is applicable to pollinator habitat and prairie restorations. For prairie restorations, payment is only authorized where the Ecological Site Description indicates a prairie, and is restored as specified within the 643 Restoration and Management of Rare and Declining Habitats conservation practice standard.</i>								
Monarch Species Mix				Acre	\$1,114.44	\$1,337.33		
Monarch Species Mix - Interseeding				Acre	\$383.90	\$460.68		

- 1 Payment is authorized for the establishment and maintenance of permanent vegetative cover on land not utilized for forage production.
- 2 Payment includes site preparation equivalent to two activities or passes (spraying, disking, mowing, burning, etc). Where additional site preparation activities are needed through 314, 315 or 338 for adequate seedbed prep a waiver can be requested from the State Office.
- 3 Only one scenario is applicable per acre (i.e., multiple options such as native species and pollinator species cannot be stacked on the same acre).
- 4 Refer to the (645) Upland Wildlife Habitat Management conservation practice standard for the Pollinator Species and Monarch Species scenarios.
- 5 See the (327) Conservation Cover conservation practice standard and (723) Vegetation Establishment, Herbaceous Seeding Specification

328	Conservation Crop Rotation						1
	<i>Management</i>	Core		Acre			
Basic Rotation Organic and Non-Organic				Acre	\$9.03	\$10.84	
<i>Sceanrio is applicable to adding a small grain to the rotation. Payment made only when the small grain is harvested.</i>							

- 1 Practice is only authorized for one payment per acre within the contract period.
- 2 No more than three separate management practices may be combined per acre.
- 3 See the (328) Conservation Crop Rotation conservation practice standard.

Practice Code	Conservation Practice	Maximum Payment	HU Maximum Payment	Practice Unit/ Payment Unit	Payment Rate	HU Payment Rate 1/	Lifespan (Years)
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554	Drainage Water Management	Core		Acre			1
	>10 Acres per Structure			Acre	\$5.49	\$6.59	
	<i>Scenario is applicable to management of structures with >10 acres of drainage area</i>						
	<=10 Acres per Structure			Acre	\$8.24	\$9.88	
	<i>Scenario is applicable to management of structures with <=10 acres of drainage area</i>						

- 1 This practice is only authorized on drainage systems in place when the CPA1200 is signed.
- 2 Payment is available where drainage can be manipulated through the use of water control structures at the outlets.
- 3 Payment is only authorized where water control structures are managing drainage on land of ≤1% slope.
- 4 Payment is only authorized when the participant can provide a completed 130 Conservation Activity Plan OR can provide the following to NRCS; a 1' interval topographical map of the site, existing tile map (showing locations, sizes and flow grades), and planned or existing structure locations and impacted area of each structure.
- 5 Practice is only authorized for one payment per acre within the contract period.
- 6 No more than three separate management practices may be combined per acre.
- 7 See the (554) Drainage Water Management conservation practice standard.

386	Field Border	Core		Acre			10
	Structural						
	Field Border, Introduced Species, Forgone Income			Acre	\$316.62	\$413.50	
	Field Border, Native Species, Forgone Income			Acre	\$410.93	\$535.33	
	Field Border, Pollinator, Forgone Income			Acre	\$1,073.61	\$1,330.55	

- 1 Payment includes vegetation establishment. Payment is not available for natural regeneration.
- 2 Payment includes site preparation equivalent to two activities or passes (spraying, disking, mowing, burning, etc). Where additional site preparation activities are needed through 314, 315 or 338 for adequate seedbed prep a waiver can be requested from the State Office.
- 3 Only one scenario is applicable per acre (i.e., multiple options such as native species and pollinator cannot be stacked on the same acre).
- 4 Refer to the (645) Upland Wildlife Habitat Management conservation practice standard for the Pollinator option.
- 5 See the (386) Field Border conservation practice standard and (723) Vegetation Establishment, Herbaceous Seeding Specification

Practice Code	Conservation Practice	Maximum Payment	HU Maximum Payment	Practice Unit/ Payment Unit	Payment Rate	HU Payment Rate 1/	Lifespan (Years)	
393	Filter Strip							
	<i>Structural</i>	Core		Acre			10	
	Filter Strip, Introduced species, Forgone Income				Acre	\$449.71	\$581.86	
Filter Strip, Native species, Forgone Income				Acre	\$461.34	\$595.82		
<p>1 Payment is on the acres of filter strip established, and includes vegetation establishment. Payment is not available for natural regeneration.</p> <p>2 Only one scenario is applicable per acre (i.e., multiple options such as introduced species and native species cannot be stacked on the same acre).</p> <p>3 See the (393) Filter Strip conservation practice standard</p>								
410	Grade Stabilization Structure							
	<i>Structural</i>	Core		Number			15	
	Embankment 8in-12in Pipe				Cu Yd Fill	\$3.52	\$4.22	
	<i>Scenario is applicable to any pipe size needed to meet standards and specifications</i>							
	<i>Payment is authorized for an embankment structure of the minimum size needed to address the resource concern in accordance with Conservation Planning policy contained within NRCS General Manual Title 180, Part 409, Section MO409.2(f). The plan must be provided to the Area Engineer for evaluation and concurrence, and receive written approval from the Area Conservationist prior to CPO development.</i>							
	Pipe Drop, Smooth Steel or CMP				Sq Ft	\$10.15	\$12.18	
	<i>Full Flow Drop Pipe Structure. Payment unit is riser weir length * barrel length.</i>							
	Concrete Block Chute				Sq Ft	\$7.63	\$9.15	
	<i>Payment unit is concrete block lined area</i>							
	Rock Rip Rap Chute				Cu Yd Rock	\$53.79	\$64.55	
Concrete Drop Structure				Cu Yd Conc	\$639.53	\$767.44		
Gabion Chute				Cu Yd	\$234.73	\$281.68		
Geotextile Reinforced Vegetated Outlet				Sq Ft	\$2.06	\$2.47		
Side Inlet				Foot	\$51.65	\$61.97		
<i>Bottomland Drop Pipe. Payment is authorized as an outlet in conjunction with main, lateral and/or field ditches installed for surface drainage in bottomland fields.</i>								

1 See the (410) Grade Stabilization Structure conservation practice standard.

Practice Code	Conservation Practice	Maximum Payment	HU Maximum Payment	Practice Unit/ Payment Unit	Payment Rate	HU Payment Rate 1/	Lifespan (Years)
412	Grassed Waterway <i>Structural</i> Core			Acre			10
	35-55 foot top width <i>Scenario is applicable to all waterway widths</i>			Acre	\$2,601.59	\$3,164.12	
	35-55 foot top width with checks <i>Scenario is applicable to all waterway widths</i>			Acre	\$3,453.87	\$4,186.86	
	<p>1 Payment includes vegetation establishment. Do not contract Critical Area Planting (342) in conjunction with this practice. Payment does not include (484) Mulching.</p> <p>2 Payment does not include subsurface drainage. If a drainage tile adjacent and parallel to the waterway is required to establish and maintain grass cover in the waterway, then include (606) Subsurface Drain in conjunction with this practice.</p> <p>3 See the (412) Grassed Waterway conservation practice standard.</p>						
561	Heavy Use Area Protection <i>Structural</i> Core			Acre			10
	Concrete HUA			Sq Ft	\$3.60	\$4.32	
	Gravel without Geotextile, Thick <i>Scenario is applicable to any gravel depth with and without geotextile that meets standards and specifications</i>			Sq Ft	\$0.90	\$1.08	
	Geocell and Gravel HUA			Sq Ft	\$3.02	\$3.63	
	<p>1 Payment for this practice is only authorized as a component of (528) Prescribed Grazing, (472) Access Control, or a waste management system.</p> <p>2 See the (561) Heavy Use Area Protection" conservation practice standard.</p>						

Practice Code	Conservation Practice	Maximum Payment	HU Maximum Payment	Practice Unit/ Payment Unit	Payment Rate	HU Payment Rate 1/	Lifespan (Years)
449	Irrigation Water Management <i>Management</i> Core			Acre			1
	IWM for row crops			Acre	\$8.80	\$10.56	
	<i>Payment is authorized on existing irrigated acres when EQIP funds will be used to apply one or more of the following practices: (430) Irrigation Pipeline, (442) Sprinkler System, (443) Irrigation System - Surface and Subsurface, or (464) Irrigation Land Leveling.</i>						
	IWM for microirrigation systems and specialty crops			Acre	\$45.50	\$54.60	
	<i>Payment is authorized on existing irrigated acres when EQIP funds will be used to apply one or more of the following practices: (430) Irrigation Pipeline or (441) Irrigations System - Microirrigation.</i>						
	Advanced IWM			Acre	\$13.74	\$16.49	
	<i>Advanced IWM requires irrigation scheduling from use of evapotranspiration (ET) data from a regional network and/or from data from soil moisture sensor. Producer must supply record of actual irrigation events based on either the soil moisture sensor data or ET data from regional network.</i>						
	Soil Moisture Sensors with Data Recorder			Each	\$1,430.46	\$1,716.55	

- 1 Practice is only available on land that has been irrigated 2 of the past 5 years prior to application for assistance.
- 2 Practice is authorized for up to three payments per acre within the contract period for the "per acre" payment unit scenarios.
- 3 No more than three separate management practices may be combined per acre.
- 4 See the (449) Irrigation Water Management conservation practice standard.

Practice Code	Conservation Practice	Maximum Payment	HU Maximum Payment	Practice Unit/ Payment Unit	Payment Rate	HU Payment Rate 1/	Lifespan (Years)
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590	Nutrient Management Management						1
	Core			Acre			

	Basic NM (Non-Organic/Organic)			Acre	\$6.14	\$7.36	
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	Basic NM with Manure and/or Compost (Non-Organic/Organic)			Acre	\$13.25	\$15.90	
	<i>Scenario is applicable to surface applications of manure and/or compost without incorporation.</i>						

	Basic NM with Manure Injection or Incorporation			Acre	\$26.29	\$31.54	
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	Basic Precision NM (Non-Organic/Organic)			Acre	\$37.10	\$44.53	
	<i>Payment is authorized for the following activities under this scenario: Nitrification and urease inhibitors with nitrogen fertilizer applications; slow- and controlled-release fertilizer formulations; split applications of nitrogen fertilizers; tissue testing by chlorophyll meter or spectral reflectance sensors (see MO Agronomy Technical Note No. 35); and variable-rate applications of nitrogen fertilizers guided by spectral reflectance as specified in MO Agronomy Technical Note No. 35. See the MO EQIP Nutrient Management Activity Sheet for allowable products and specific implementation requirements.</i>						

Variable-rate applications of phosphorus and potassium are not authorized for payment under this scenario. Use Basic NM.

- 1 *Payment is available when fertilizer nutrients are applied according to a budget for nitrogen, phosphorus, and potassium, plus or minus 10% by individual nutrient. When the soil test shows a lime requirement >600 lb ENM/acre, the specified amounts must be applied plus or minus 10%.*
- 2 *The budget specifies amounts of nitrogen, phosphate, and potash applied, utilized, and remaining in soil (nutrients supplied - nutrients utilized by crop = nutrients remaining).*
- 3 *Payment is not authorized for one-time nutrient applications to establish perennial crops.*
- 4 *Payment is available on irrigated land only if (449) Irrigation Water Management is applied on the same acres receiving any (590) payment.*
- 5 *Payment is available on land having subsurface drainage system only if (554) Drainage Water Management is applied on the same acres receiving any (590) payment.*
- 6 *Practice is only authorized for one payment per acre within the contract period.*
- 7 *No more than three separate management practices may be combined per acre.*
- 8 *See the applicable MO NRCS "Nutrient Management" Activity Sheet and the (590) Nutrient Management conservation practice standard.*

Practice Code	Conservation Practice	Maximum Payment	HU Maximum Payment	Practice Unit/ Payment Unit	Payment Rate	HU Payment Rate 1/	Lifespan (Years)
528	Prescribed Grazing Management			Core			1
	Low Intensity, > 7 Day Rotation Frequency			Acre	\$21.81	\$26.17	
	Medium Intensity, 7-3 Days Rotation Frequency			Acre	\$33.39	\$40.06	
	High Intensity, <=2 Day Rotation Frequency			Acre	\$47.40	\$56.88	
	Enhanced - Strip Grazing			Acre	\$56.18	\$67.41	
	<i>Scenario is appropriate for both winter stockpiling/stripgrazing and/or summer stripgrazing for soil health. For summer stripgrazing only, livestock are grazed on mature pasture within the June 1 to August 31 time frame, managed at a high stock density of at least 50,000 lbs/ac, and pastures are managed for a livestock utilization rate of 60% or less.</i>						
	High Density Grazing			Acre	\$63.42	\$76.10	
	<i>Livestock are grazed on pasture for at least 300 days per calendar year, managed at a stock density of at least 50,000 lbs for 75% of the grazing days, and pastures are managed for a livestock utilization rate of 60% or less per grazing event.</i>						
	Deferment, 90 - 209 Days			Acre	\$46.07	\$59.10	
	<i>Defer pasture grazing for ≥ 90 days to manage for invasive weed control, improve health of forage plants, or nesting/cover for wildlife species. Not to be used as deferrment for forage establishment. If utilized for wildlife species nesting/cover, grazing must be deferred for a continuous ≥ 90 day period that includes the primary nesting season of May 1 - July 15.</i>						
	Deferment, ≥210 Days			Acre	\$62.05	\$80.39	
	<i>Defer pasture grazing for ≥ 210 days to manage for invasive weed control, improve health of forage plants, or nesting/cover for wildlife species. Not to be used as deferrment for forage establishment. If utilized for wildlife species nesting/cover, grazing must be deferred for a continuous ≥210 day period that includes the primary nesting season of May 1 - July 15.</i>						
	Biological Control with Grazing Animals			Acre	\$638.79	\$766.55	
	<i>Payment for Biological Control is only authorized on areas with >40% undesirable cover. Grazing on glades is not allowed unless approved by the Area Biologist.</i>						

- 1 Practice is only authorized for one payment per acre within the contract period.
- 2 No more than three separate management practices may be combined per acre.
- 3 See the (528) Prescribed Grazing conservation practice standard.

Practice Code	Conservation Practice	Maximum Payment	HU Maximum Payment	Practice Unit/ Payment Unit	Payment Rate	HU Payment Rate 1/	Lifespan (Years)
329	Residue and Tillage Management, No Till Management Core No-Till/Strip-Till			Acre Acre		\$15.78	1 \$18.94
<p>1 All crops planted will be no-tilled/strip-tilled to receive this payment, including double- or triple-cropped crops and cover crops.</p> <p>2 Practice is authorized for up to three payments per acre within the contract period.</p> <p>3 Option 1: Payment is authorized for acres where no crops in rotation have been no tilled/strip tilled and the producer will continuously no till/strip till all crops as indicated in footnote 1 above.</p> <p>4 Option 2: Payment is authorized for acres where a portion of the rotation has been no tilled/strip tilled and the producer will continuously no till/strip till all crops as indicated in footnote 1 above.</p> <p>5 Practice is eligible for payment after all crops in rotation have been no tilled according to the 329 CPS.</p> <p>6 No more than three separate management practices may be combined per acre.</p> <p>7 See (329) Residue and Tillage Management, No Till conservation practice standard.</p>							
345	Residue and Tillage Management, Reduced Till Management Core Residue and Tillage Management, Reduced Till			Acre Acre		\$16.76	1 \$20.12
<p>1 See the (345) Residue and Tillage Management, Reduced Till conservation practice standard.</p>							
391	Riparian Forest Buffer Structural Core			Acre			15
	Direct Seeding			Acre	\$594.65	\$755.80	
	Bareroot trees, each			Each	\$1.32	\$1.68	
	Bareroot shrubs, each			Each	\$0.97	\$1.20	
	Container Trees and Shrubs, less than 2 gallon, Each			Each	\$10.87	\$13.89	
	Container Trees and Shrubs, 2 gallon and larger, Each			Each	\$14.35	\$18.07	
<p>1 Payment is not available for natural regeneration. Payment includes tree/shrub costs. Payment does not include site preparation.</p> <p>2 Containers 1 quart and smaller will use the applicable bareroot payment rate.</p> <p>3 See the (391) Riparian Forest Buffer conservation practice standard.</p>							

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390	Riparian Herbaceous Cover						
	<i>Structural</i>	Core		Acre			5
	Native Grass			Acre	\$525.41	\$672.70	
	Pollinator			Acre	\$487.07	\$626.70	
	Giant Canebreak Restoration			Acre	\$1,425.92	\$1,753.32	
	Prairie Cordgrass Restoration			Acre	\$830.71	\$1,039.07	

1 Payment includes vegetation establishment.

2 Payment includes site preparation equivalent to two activities or passes (spraying, disking, mowing, burning, etc). Where additional site preparation activities are needed through 314, 315 or 338 for adequate seedbed prep a waiver can be requested from the State Office.

3 Only one scenario is applicable per acre (i.e., multiple options such as native species and wildlife/pollinator species cannot be stacked on the same acre).

4 See the (390) Riparian Herbaceous Cover conservation standard.

600	Terrace						
	<i>Structural</i>	Core		Feet			10
	Broadbase, no Topsoiling			Foot	\$2.07	\$2.48	
	Broadbase, with Topsoiling			Foot	\$3.32	\$3.98	
	Grassed Front or Steep Backslope, no Topsoiling			Foot	\$1.82	\$2.19	
	<i>Scenario is also applicable to Narrowbase terrace installations. Scenario does not include seeding, utilize (342) Critical Area Planting.</i>						
	Grassed Front or Steep Backslope, with Topsoiling			Foot	\$3.07	\$3.68	
	<i>Scenario is also applicable to Narrowbase terrace installations. Scenario does not include seeding, utilize (342) Critical Area Planting.</i>						

1 Scenarios are applicable for both open outlet terraces and closed outlet terraces.

2 See the (600) Terrace conservation practice standard.

Practice Code	Conservation Practice	Maximum Payment	HU Maximum Payment	Practice Unit/ Payment Unit	Payment Rate	HU Payment Rate 1/	Lifespan (Years)
360	Waste Facility Closure <i>Structural</i>						15
	Core	\$100,000	\$140,000	Number			
	Poultry House Soil Remediation			Sq Ft	\$0.55	\$0.66	
	Feedlot Closure			Sq Ft	\$0.22	\$0.26	
	Demolition of Concrete Waste Storage Structure, Walls <= 6 Foot <i>Walls <=6 ft tall</i>			Sq Ft	\$3.83	\$4.60	
	Demolition of Concrete Waste Storage Structure, Walls >6 ft <i>Walls >6ft tall</i>			Sq Ft	\$1.78	\$2.14	
	Earthen Basin Closure no Sludge Removal <i>Payment unit is cubic foot berm</i>			Cu Ft	\$0.18	\$0.22	
	Earthen Basin Closure with Sludge Removal <i>Payment unit is cubic foot sludge</i>			Cu Ft	\$0.77	\$0.92	
	Conversion to Freshwater Structure with Sludge Removal <i>Payment unit is cubic foot sludge</i>			Cu Ft	\$0.49	\$0.59	

1 Practice does not require the development of a CNMP

2 Use (590) Nutrient Management for any required planning and land application or removed waste

3 See the (360) Waste Facility Closure conservation practice standard.

Practice Code	Conservation Practice	Maximum Payment	HU Maximum Payment	Practice Unit/ Payment Unit	Payment Rate	HU Payment Rate 1/	Lifespan (Years)
313	Waste Storage Facility <i>Structural</i> Core	\$100,000	\$140,000	Number			15
	Earthen Storage Facility			Cu Ft	\$0.16	\$0.19	
	Glass Lined Steel Tank, <25,000 Cu Ft Storage			Cu Ft	\$4.35	\$5.22	
	Glass Lined Steel Tank, 25,000 - 99,999 Cu Ft Storage			Cu Ft	\$1.68	\$2.02	
	Glass Lined Steel Tank, >=100,000 Cu Ft Storage			Cu Ft	\$1.33	\$1.60	
	Concrete Lid Tank, <1,000 Cu Ft Storage			Cu Ft	\$10.96	\$13.15	
	Concrete Lid Tank, >=1,000 Cu Ft Storage			Cu Ft	\$4.50	\$5.40	
	Concrete Tank Open Top, <5,000 Cu Ft Storage			Cu Ft	\$3.79	\$4.54	
	Concrete Tank Open Top, 5,000 - 7,499 Cu Ft Storage			Cu Ft	\$3.53	\$4.24	
	Concrete Tank Open Top, 7,500 - 14,999 Cu Ft Storage			Cu Ft	\$2.65	\$3.18	
	Concrete Tank Open Top, 15,000 - 24,999 Cu Ft Storage			Cu Ft	\$1.42	\$1.70	
	Concrete Tank Open Top, 25,000 - 49,999 Cu Ft Storage			Cu Ft	\$1.41	\$1.70	
	Concrete Tank Open Top, 50,000 - 74,999 Cu Ft Storage			Cu Ft	\$1.12	\$1.34	
	Concrete Tank Open Top, 75,000 - 109,999 Cu Ft Storage			Cu Ft	\$1.01	\$1.21	
	Concrete Tank Open Top, >=110,000 Cu Ft Storage			Cu Ft	\$0.89	\$1.07	
	<i>The payment unit for all above scenarios is Cu Ft of Total Storage Volume</i>						
	Dry Stack Facility, Concrete Floor without Side Walls			Sq Ft	\$3.60	\$4.32	
	Dry Stack Facility, Earthen Floor with Concrete Side Walls			Cu Ft	\$0.95	\$1.14	
	Dry Stack Facility, Concrete Floor with Concrete Side Walls			Cu Ft	\$1.65	\$1.98	
	<i>See the Missouri EQIP Activity Sheet for Dry Stack Facilities for additional guidance and requirements. The payment unit for the Dry Stack Facilities with side walls is Cu Ft of storage volume to the top of the wall.</i>						

- 1 Payment for this practice is only authorized when included as a planned practice in a CNMP approved prior to the EQIP application cutoff date, and where waste is generated by agricultural production or processing.
- 2 Payment for this practice is only authorized for Animal Feeding Operations (AFO) (see definition in footnote 3/).
- 3 See the (313) Waste Storage Facility conservation practice standard.

Practice Code	Conservation Practice	Maximum Payment	HU Maximum Payment	Practice Unit/ Payment Unit	Payment Rate	HU Payment Rate 1/	Lifespan (Years)
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634	Waste Transfer	Core	\$50,000	\$70,000	Number		15			
	<i>Structural</i>									
	Wastewater catch basin, less than 1000 gal.							Gallon	\$4.68	\$5.61
	Manure Flush System							Gallon	\$4.29	\$5.15
	Concrete Channel, no footers							Sq Ft	\$6.72	\$8.06
	Wastewater Recycle System for Flush System, Pipes only							Foot	\$6.92	\$8.30
	Gravity or Low Pressure Flow Pipeline, Small							Foot	\$12.92	\$15.50
	Pressurized Pipeline							Foot	\$13.65	\$16.38
Cased Pipeline with Boring	Foot	\$97.95	\$117.54							
<i>Scenario includes pipe</i>										

- 1 Payment for this practice is applicable only as a planned practice in a CNMP approved prior to the EQIP application cutoff date, and where manure is generated by livestock production or processing and a conveyance system is necessary to transfer manure.
- 2 Transfer may be from a production facility to a storage/treatment facility or from a storage/treatment facility to an area of utilization.
- 3 See the (634) Waste Transfer conservation practice standard.

359	Waste Treatment Lagoon	Core			Number		15
	<i>Structural</i>						
	Waste Treatment Lagoon				Cu Ft	\$0.12	\$0.14
<i>Payment Unit is Cu Ft of Total Storage Volume</i>							

- 1 Payment for this practice is only authorized when included as a component of an existing CNMP, where waste is generated by agricultural production or processing.
- 2 See the (359) Waste Treatment Lagoon conservation practice standard

638	Water and Sediment Control Basin	Core			Number		10
	<i>Structural</i>						
	Base						
	Topsoil				Cu Yd Fill	\$2.52	\$3.03
<i>Scenario includes the cost for construction of the base of the structure plus the topsoiling. Do not contract the Base scenario plus the Topsoil scenario.</i>							

- 1 Payment does not include pipe. Underground Outlet (620) may be needed in conjunction with this practice.
- 2 See the (638) Water and Sediment Control Basin conservation practice standard.

Practice Code	Conservation Practice	Maximum Payment	HU Maximum Payment	Practice Unit/ Payment Unit	Payment Rate	HU Payment Rate 1/	Lifespan (Years)
311	Alley Cropping <i>Structural</i>						15
	Supporting			Acre			
	Single row bareroot planting stock			Each	\$1.52	\$1.94	
	Single row bareroot planting stock with tree shelters			Each	\$4.66	\$5.71	
	Single row container planting stock, less than 2 gallons			Each	\$5.57	\$6.81	
	Single row container planting stock, less than 2 gallon with tree shelters			Each	\$10.66	\$12.90	
	Single row container planting stock, 2 gallon and larger			Each	\$9.05	\$10.98	
	Single row container planting stock, 2 gallon and larger with tree shelters			Each	\$14.14	\$17.08	
	<p>1 Payment includes tree/shrub costs. Payment does not include site preparation.</p> <p>2 Containers 1 quart and smaller will use the applicable bareroot payment rate.</p> <p>3 Tree shelters are tubes made of light stabilized polypropylene or polyethylene material and come in various heights (2-6') determined by the need and intended function of the shelter.</p> <p>4 See the (311) Alley Cropping conservation practice standard.</p>						
314	Brush Management <i>Structural</i>						10
	Supporting			Acre			
	Medium Brush Management 10% - 39% undesirable woody canopy cover			Acre	\$63.00	\$75.60	
	Heavy Brush Management 40% - 60% undesirable woody canopy cover			Acre	\$150.42	\$180.50	
	Very Heavy Brush Management > 60% undesirable woody canopy cover			Acre	\$246.22	\$295.46	
	<p>1 This practice is authorized for the treatment of woody plants, including those that are invasive, exotic and noxious on all non-cropland areas.</p> <p>2 This practice is only authorized when used in conjunction with (528) Prescribed Grazing and/or (511) Forage Harvest Management.</p> <p>3 This practice is not to be used for conversion of woodlands or forests to grassland; such as the removal of woody vegetation to establish or re-establish grass cover (See IS-MO-314).</p> <p>4 Payment is not for site preparation activities for a new seeding or re-seeding, or maintenance/management of a new seeding or re-seeding. Where additional site preparation activities are needed for adequate seedbed prep a waiver can be requested from the State Office.</p> <p>5 Clipping/mowing as a stand alone treatment is not authorized for payment</p> <p>6 See the (314) Brush Management conservation practice standard and Information Sheet IS-MO-314.</p>						

Practice Code	Conservation Practice	Maximum Payment	HU Maximum Payment	Practice Unit/ Payment Unit	Payment Rate	HU Payment Rate 1/	Lifespan (Years)
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362	Diversion						
	<i>Structural</i>	Supporting		Feet			10
	Small, <2 CY/FT			Foot	\$2.73	\$3.27	
	Medium, 2 - 2.9 CY/FT			Foot	\$5.86	\$7.03	
	Large, >=3 CY/FT			Foot	\$7.95	\$9.54	

1 See the (362) Diversion conservation practice standard.

382	Fence						
	<i>Structural</i>	Supporting		Feet			20
	Temporary/Portable Fence			Foot	\$0.36	\$0.44	
	Temporary - Portable for Small Livestock			Foot	\$1.10	\$1.32	
	<i>Scenario is applicable to portable fence products such as electric netting with smaller classes of animals such as; goats, sheep, poultry, etc. where containment by a single strand temporary/portable fence is not adequate.</i>						
	Permanent High Tensile Electric Single Strand			Foot	\$0.80	\$0.96	
Permanent High Tensile Electric 2-3 Strand				Foot	\$1.17	\$1.41	
<i>Scenario is applicable to all multi-strand high tensile electric fence installations, and small ruminant electrified woven wire fence products.</i>							
Permanent Barbed Wire Multi Strand				Foot	\$1.62	\$1.95	
<i>Scenario is also applicable to woven wire fence installations.</i>							

- 1 This practice is only authorized as a component of (528) Prescribed Grazing, (472) Access Control, (378) Pond, (410) Grade Stabilization Structure, (366) Anaerobic Digester, (313) Waste Storage Facility and/or (359) Waste Treatment Lagoon to exclude livestock from areas that need protection, confine livestock to an area, control domestic livestock while permitting wildlife movement, and/or subdivide grazing acres to facilitate the use of a (528) Prescribed Grazing system.
- 2 Only one Fence payment can be earned for each length/reach of fence (i.e., multiple options can not be stacked on the same running length/reach of fence).
- 3 Boundary fence (property line fence) or Perimeter fence is only eligible under the following three exceptions; (1) on expired (2 years or less) or expiring Conservation Reserve Program (CRP) land to establish a grazing operation; (2) on land to protect, restore, or enhance an environmentally sensitive area, such as riparian area or wetland; (3) on land to facilitate a change in production systems per the requirements of section 515.81D(4). Refer to 440 CPM 515.81E, 515.52C and 515.81D(4) for complete policy guidance.
- 4 See the (382) Fence conservation practice standard.

Practice Code	Conservation Practice	Maximum Payment	HU Maximum Payment	Practice Unit/ Payment Unit	Payment Rate	HU Payment Rate 1/	Lifespan (Years)
512	Forage and Biomass Planting						
	<i>Structural</i>			<i>Supporting</i>			<i>Acre</i>
							<i>5</i>
	Interseeding Legumes and/or Forbs				<i>Acre</i>	<i>\$132.15</i>	<i>\$158.58</i>
	Introduced Grass Establishment or Renovation				<i>Acre</i>	<i>\$173.58</i>	<i>\$212.62</i>
	Native Grass Establishment or Renovation - with fertility				<i>Acre</i>	<i>\$329.83</i>	<i>\$404.45</i>
	<i>Scenario is applicable to any native grass establishment or renovation regardless of fertility requirements (follow standards and specifications for soil test and fertility requirements).</i>						
	Pasture Renovation Utilizing Interim Seeding				<i>Acre</i>	<i>\$248.46</i>	<i>\$302.48</i>
	<i>Scenario includes establishment of an interim stand prior to the new perennial stand being established. This scenario applies to, but not limited to, renovation of endophyte fescue stands utilizing the spray - smother - spray technique.</i>						
	<i>1 Payment is not authorized for the conversion of native prairie or woodland to pasture or hayland.</i>						
	<i>2 See the (512) Forage and Biomass Planting conservation practice standard and (723) Vegetation Establishment, Herbaceous Seeding Specification</i>						
511	Forage Harvest Management						
	<i>Management</i>			<i>Supporting</i>			<i>Acre</i>
							<i>1</i>
	Perennial Crops - Delayed Mowing				<i>Acre</i>	<i>\$4.43</i>	<i>\$5.40</i>
	<i>Payment is only on acres set aside for harvest of hay after upland bird nesting season from May 1 to July 15.</i>						
	Improved Forage Quality				<i>Acre</i>	<i>\$3.79</i>	<i>\$4.55</i>
	Preemptive Harvest				<i>Acre</i>	<i>\$3.79</i>	<i>\$4.55</i>
	Double cropping - Delayed harvest and subsequent planting				<i>Acre</i>	<i>\$4.72</i>	<i>\$5.79</i>
	<i>1 Practice is only authorized for one payment per acre within the contract period.</i>						
	<i>2 No more than three separate management practices may be combined per acre.</i>						
	<i>3 See the (511) Forage Harvest Management conservation practice standard</i>						

Practice Code	Conservation Practice	Maximum Payment	HU Maximum Payment	Practice Unit/ Payment Unit	Payment Rate	HU Payment Rate 1/	Lifespan (Years)
422	Hedgerow Planting <i>Structural</i> Supporting			Feet			15
	1 row hedgerow, bareroot tree seedling planting stock			Foot	\$0.25	\$0.32	
	1 row hedgerow, bareroot shrub seedling planting stock			Foot	\$0.35	\$0.44	
	1 row hedgerow, container trees planting stock			Foot	\$0.75	\$0.92	
	1 row hedgerow, container shrubs planting stock			Foot	\$1.24	\$1.51	
	<p>1 Payment includes tree/shrub costs. Payment does not include site preparation.</p> <p>2 See the (422) Hedgerow Planting conservation practice standard.</p>						
315	Herbaceous Weed Treatment <i>Structural</i> Supporting			Acre			5
	Light Spot Treatment ≤ 10% undesirable herbaceous cover			Acre	\$24.55	\$29.46	
	Medium Spot Treatments > 10% undesirable herbaceous cover			Acre	\$71.07	\$85.29	
	Blanket Treatment One Pass			Acre	\$48.81	\$58.57	
	Blanket Treatment Multi Pass			Acre	\$106.03	\$127.23	
	Tree & Shrub Post-planting Weed Control			Acre	\$107.26	\$128.72	
	<p>1 This practice is authorized for the treatment of herbaceous plants, including those that are invasive, exotic and noxious on all non-cropland areas.</p> <p>2 This practice is only authorized when used in conjunction with (528) Prescribed Grazing and/or (511) Forage Harvest Management.</p> <p>3 Payment is not for site preparation activities for a new seeding or re-seeding, or maintenance/management of a new seeding or re-seeding. Where additional site preparation activities are needed for adequate seedbed prep a waiver can be requested from the State Office.</p> <p>4 See the (315) Herbaceous Weed Control conservation practice standard.</p>						

Practice Code	Conservation Practice	Maximum Payment	HU Maximum Payment	Practice Unit/ Payment Unit	Payment Rate	HU Payment Rate 1/	Lifespan (Years)
595	Integrated Pest Management <i>Management</i>						1
	Supporting			Acre			
	Basic IPM Field 1RC			Acre	\$8.61	\$10.33	
	Basic IPM Field >1RC			Acre	\$12.92	\$15.50	
	Basic IPM Fruit/Veg 1RC			Acre	\$61.90	\$74.28	
	Basic IPM Fruit/Veg >1RC			Acre	\$130.79	\$156.95	
	Basic IPM Orchard 1RC			Acre	\$145.27	\$174.32	
	Basic IPM Orchard >1RC			Acre	\$170.73	\$204.87	

1 RC = Resource Concern

2 Practice is only authorized for one payment per acre within the contract period.

3 No more than three separate management practices may be combined per acre.

4 See the (595) Integrated Pest Management conservation practice standard.

464	Irrigation Land Leveling <i>Structural</i>						15
	Supporting			Acre			
	Irrigation Land Leveling			Acre	\$206.02	\$247.22	

1 Payment is only authorized for re-grading cropland fields that are currently surface irrigated.

2 Payment is only authorized when landgrading cutsheets are provided to NRCS prior to contract obligation.

3 Payment is only authorized where a reduction in water use as a result of the implementation of this practice on the operation is documented.

4 This practice is only available on land that has been irrigated 2 of the past 5 years prior to application for assistance.

5 See the (464) Irrigation Land Leveling conservation practice standard.

Practice Code	Conservation Practice	Maximum Payment	HU Maximum Payment	Practice Unit/ Payment Unit	Payment Rate	HU Payment Rate 1/	Lifespan (Years)
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430	Irrigation Pipeline						
	<i>Structural</i>	Supporting		Feet			20
	Microirrigation Pipeline			Foot	\$2.28	\$2.73	
	Pipe System <=8 in Diameter, >50 ft Installation			Foot	\$10.31	\$12.38	
	Pipe System <= 8 in Diameter, <= 50 ft Installation			Foot	\$16.73	\$20.07	
	Pipe System 10-12 in Diameter, >50 ft Installation			Foot	\$13.62	\$16.34	
	Pipe System 10-12 in Diameter, <= 50ft Installation			Foot	\$20.57	\$24.69	
	Pipe System >=15 in, >50 ft Installation			Foot	\$20.73	\$24.87	
	Pipe System >=15 in, <= 50ft Installation			Foot	\$32.24	\$38.69	

- 1 The pipeline shall be used to reorganize an existing irrigation system, or to replace a temporary water conveyance system (to convey water from a well or reservoir to the irrigation system).
- 2 Payment is only authorized where a reduction in water use as a result of the implementation of this practice on the operation is documented.
- 3 This practice is only available on land that has been irrigated 2 of the past 5 years prior to application for assistance.
- 4 See the (430) Irrigation Pipeline conservation practice standard.

441	Irrigation System - Microirrigation						
	<i>Structural</i>	Supporting		Acre			15
	Specialty Crop Microirrigation System			Acre	\$1,497.46	\$1,796.95	

- 1 Payment is only authorized where a reduction in water use as a result of the implementation of this practice is documented in an Irrigation Water Management Plan (IWMP) provided prior to contract obligation meeting the requirements for (449) Irrigation Water Management.
- 2 This practice is only available on land that has been irrigated 2 of the past 5 years prior to application for assistance.
- 3 See the (441) Irrigation System - Microirrigation conservation practice standard.

Practice Code	Conservation Practice	Maximum Payment	HU Maximum Payment	Practice Unit/ Payment Unit	Payment Rate	HU Payment Rate 1/	Lifespan (Years)
443	Irrigation System - Surface and Subsurface Structural Supporting			Acre			15
	Multiple Inlet Irrigation			Acre	\$13.85	\$16.62	
	Surge Valve & Controller			Each	\$1,711.36	\$2,053.63	
	<p>1 Flat-graded fields must have permanent levees established on all sides of the field (except the crown) to be eligible for payment.</p> <p>2 Payment is only authorized where a reduction in water use as a result of the implementation of this practice is documented in an Irrigation Water Management Plan (IWMP) provided prior to contract obligation meeting the requirements for (449) Irrigation Water Management.</p> <p>3 This practice is only available on land that has been irrigated 2 of the past 5 years prior to application for assistance.</p> <p>4 See the (443) Irrigation System – Surface and Subsurface conservation practice standard.</p>						
516	Livestock Pipeline Structural Supporting			Feet			20
	Above Ground Pipeline			Foot	\$0.82	\$0.98	
	Buried Pipeline, < 2in Plastic			Foot	\$1.89	\$2.27	
	Buried Pipeline, 2in - 3in Plastic			Foot	\$2.73	\$3.28	
	Buried Pipeline, >3in			Foot	\$4.88	\$5.85	
	Cased Pipeline with Boring <i>Scenario includes pipe</i>			Foot	\$81.33	\$97.60	
	<p>1 Payment for this practice is only available as a component of (528) Prescribed Grazing and/or (472) Access Control.</p> <p>2 See the (516) Livestock Pipeline conservation practice standard.</p>						
484	Mulching Management Supporting			Acre			1
	Natural Material, Vegetation Establishment			Acre	\$247.87	\$297.44	
	Natural Material, Soil Moisture Management			Acre	\$324.91	\$389.89	
	Tree and Shrub, Individual Treatment, Soil Moisture Management <i>Use this scenario when trees/shrubs will be mulched individually rather than in a continuous mulched row. Otherwise use the appropriate per acre soil moisture management mulching option.</i>			Each	\$1.83	\$2.19	
	<p>1 Practice is only authorized for one payment per acre within the contract period.</p> <p>2 See the (484) Mulching conservation practice standard.</p>						

Practice Code	Conservation Practice	Maximum Payment	HU Maximum Payment	Practice Unit/ Payment Unit	Payment Rate	HU Payment Rate 1/	Lifespan (Years)
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378	Pond Structural	Supporting	\$10,000	\$13,000	Number		20
	Embankment, 8in-12in Pipe				Cu Yd	\$3.52	\$4.22
	<i>Scenario is applicable to any pipe size needed to meet standards and specifications</i>						
	Embankment, Tile Conduit				Cu Yd	\$2.55	\$3.06

- 1 Payment is only authorized for this practice as a water source in conjunction with (528) Prescribed Grazing.
- 2 The plan for the installation of the pond must be provided to the Area Engineer for evaluation and concurrence, and receive written approval from the Area Conservationist prior to CPO development. Planning for the pond must be in accordance with Conservation Planning Policy contained within NRCS General Manual Title 180, Part 409, Section MO409.2(f).
- 3 See the (378) Pond conservation practice standard.

338	Prescribed Burning Management	Supporting			Acre		1
	Grassland, > 10 acres				Acre	\$24.13	\$28.95
	Grassland, Small acreage (<=10 acres)				Acre	\$30.14	\$36.16
	Woodland, >10 acres				Acre	\$63.50	\$76.20
	Woodland, Small acreage (<=10 acres)				Acre	\$91.28	\$109.54

- 1 Practice is only authorized for one payment per acre within the contract period.
- 2 Payment is not for site preparation activities for a new seeding or re-seeding, or maintenance/management of a new seeding or re-seeding. Where additional site preparation activities are needed for adequate seedbed prep a waiver can be requested from the State Office.
- 3 See the (338) Prescribed Burning conservation practice standard.

Practice Code	Conservation Practice	Maximum Payment	HU Maximum Payment	Practice Unit/ Payment Unit	Payment Rate	HU Payment Rate 1/	Lifespan (Years)
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533	Pumping Plant							
	<i>Structural</i>	Supporting		Number			15	
	Wastewater Pump < 1 Hp			Each	\$964.90	\$1,157.87		
	Wastewater Pump 1-5 Hp			Each	\$2,530.88	\$3,037.06		
	Manure Pump >5 Hp			Each	\$6,123.44	\$7,348.12		
	Small Wastewater Fuel Driven Pump <= 50 Hp			Each	\$18,998.00	\$22,797.60		
	Large Wastewater Fuel Driven Pump > 50 Hp			Each	\$24,549.33	\$29,459.19		
	Livestock Water, Shallow Well Pump (<= 25 ft deep)			Each	\$1,149.67	\$1,379.61		
	Livestock Water, Shallow Well Pump (<= 25ft deep) with Above Ground Pump House			Each	\$1,850.82	\$2,220.99		
	<i>Scenario is applicable to both above ground and buried pump house installations.</i>							
	Livestock Water, Deep Well Pump (>25 ft deep)			Each	\$1,456.94	\$1,748.33		
	Livestock Water, Deep Well Pump (> 25ft deep) with Above Ground Pump House			Each	\$2,158.09	\$2,589.71		
	<i>Scenario is applicable to both above ground and buried pump house installations.</i>							
	<i>Payment is not authorized for a Deep Well Pump for use with surface water sources.</i>							
Solar Pump for Shallow Well or Spring Development			Each	\$2,536.30	\$3,043.56			
Solar Pump for Deep Well			Each	\$8,111.53	\$9,733.84			
<i>Payment is only authorized for the Solar options when electricity is not available or cost prohibitive.</i>								
Livestock Non-Electric Pump			Each	\$906.97	\$1,088.36			
Pump with Sump			Each	\$2,777.58	\$3,333.10			

- 1 Wastewater/Manure Pump options: Payment is only authorized when included as a component of an existing CNMP. The type and size of the pump must be provided to the Area Engineer for evaluation and then submitted to the Area Conservationist (AC) and receive written approval from the AC prior to CPO development.
- 2 Livestock Water options: Payment is only authorized when needed as a component of (528) Prescribed Grazing, (472) Access Control and/or an existing CNMP (for wellhead replacement).
- 3 Payment is not authorized for electricity or a power unit or for PTO-driven pumps.
- 4 Payment is not authorized for used pumps.
- 5 See the (533) Pumping Plant conservation practice standard.

Practice Code	Conservation Practice	Maximum Payment	HU Maximum Payment	Practice Unit/ Payment Unit	Payment Rate	HU Payment Rate 1/	Lifespan (Years)
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367	Roofs and Covers						10				
	<i>Structural</i>							Supporting	\$33,000	\$45,000	Number
	Roof Structure, 33 feet to 60 feet Wide									Sq Ft	\$6.50
<i>Scenario is applicable to any roof ≤ 60 feet wide</i>											
Roof Structure, more than 60 feet Wide				Sq Ft	\$3.76	\$4.51					

- 1 Payment for this practice is only authorized when included as a planned practice in a CNMP approved prior to the EQIP application cutoff date, and where waste is generated by agricultural production or processing.
- 2 The proposed installation must be reviewed and approved by the Area Conservationist prior to ranking of the EQIP application.
- 3 Payment is not authorized for roof/cover over an area typically used for production livestock housing.
- 4 See the MO NRCS "PreEng Structure" Activity Sheet and the (367) Roofs and Covers conservation practice standard.

574	Spring Development						20				
	<i>Structural</i>							Supporting	Number		
	Horizontal Collection Pipe							Each	\$734.46	\$881.36	
	Collection Structure							Each	\$979.27	\$1,175.12	
	Horizontal Pipe with Collection Box							Each	\$1,818.03	\$2,181.63	
Vertical Collection and Storage Pipe		Each	\$1,532.79	\$1,839.34							

- 1 Payment is authorized for this practice only as a component of (528) Prescribed Grazing and/or (472) Access Control to improve the distribution of water or to increase the quantity and quality of water for livestock.
- 2 See the (574) Spring Development conservation practice standard.

Practice Code	Conservation Practice	Maximum Payment	HU Maximum Payment	Practice Unit/ Payment Unit	Payment Rate	HU Payment Rate 1/	Lifespan (Years)
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442	Sprinkler System <i>Structural</i>	Supporting		Acre			15
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	Conversion to Center Pivot or Linear Move System			Foot	\$58.30	\$69.96	
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Payment for Conversion to Center Pivot System is authorized on fields with existing surface-flooded irrigation systems being converted to a center pivot irrigation system. This option is not authorized for converting from a 'traveling gun' system.

	Sprinkler Conversion to Low Pressure			Foot	\$5.85	\$7.01	
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Payment is only for conversion of high pressure to low pressure sprinkler system. Payment is not authorized for re-nozzling a low pressure system.

- 1 Payment is only authorized where a reduction in water use as a result of the implementation of this practice is documented in an Irrigation Water Management Plan (IWMP) provided prior to contract obligation meeting the requirements for (449) Irrigation Water Management.*
- 2 This practice is only available on land that has been irrigated 2 of the past 5 years prior to application for assistance; payment is not available for wells or power supplies.*
- 3 See the (442) Sprinkler System conservation practice standard.*

578	Stream Crossing <i>Structural</i>	Supporting		Number			10
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	Concrete Crossing			Sq Ft	\$5.59	\$6.71	
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	Rip Rap Crossing			Sq Ft	\$2.51	\$3.01	
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- 1 Payment is only authorized as a component of (472) Access Control, or when included as a planned practice in a Forest Management Plan approved prior to the EQIP application cutoff date (see FMP definition in footnote 2/) on forestland.*
- 2 Financial assistance is not available for bridges or culverts.*
- 3 Stream crossings will be constructed at the same elevation as the channel bed.*
- 4 Applicant will acquire all US Army Corps of Engineers permits and wetland determinations before practice commencement.*
- 5 See the (578) Stream Crossing conservation practice standard.*

585	Stripcropping <i>Structural</i>	Supporting		Acre			5
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	Stripcropping - wind and water erosion			Acre	\$1.28	\$1.54	
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- 1 See the (585) Stripcropping conservation practice standard.*

Practice Code	Conservation Practice	Maximum Payment	HU Maximum Payment	Practice Unit/ Payment Unit	Payment Rate	HU Payment Rate 1/	Lifespan (Years)
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587 Structure for Water Control

<i>Structural</i>	<i>Supporting</i>		<i>Number</i>				<i>20</i>
Inline Stoplog WCS, Surface Water Control, 6-10 in. dia. Pipe			Each	\$1,986.68	\$2,384.02		
Inline Stoplog WCS, Surface Water Control, 12-18 in. dia. Pipe			Each	\$3,301.71	\$3,962.05		
Inline Stoplog WCS, Surface Water Control, >18 in. dia. Pipe			Each	\$5,509.21	\$6,611.06		
Weir Box Inlet WCS, Surface Water Control, <=16 in. dia. Pipe.			Each	\$2,916.90	\$3,500.28		
Weir Box Inlet WCS, Surface Water Control, >16 in. dia. Pipe.			Each	\$4,096.40	\$4,915.68		
Weir Box Inlet WCS, Surface Water Control Using Existing Pipe (Box Only)			Each	\$398.46	\$478.15		
Watertight Flap gate Inflow WCS, Surface Water Control, <=15 in. dia. Pipe			Each	\$2,481.26	\$2,977.52		
<i>Stand alone water control structure that includes the pipe installation. Scenario is not authorized as a component of any other 587 scenario.</i>							
Watertight Flap gate Inflow WCS, Surface Water Control, >15 in. dia. Pipe			Each	\$3,025.85	\$3,631.02		
<i>Stand alone water control structure that includes the pipe installation. Scenario is not authorized as a component of any other 587 scenario.</i>							
Straight Pipe, Surface Water Control, <=10 in. dia. Pipe (w/o adjustable control)			Ft Pipe	\$34.36	\$41.24		
Straight Pipe, Surface Water Control, >=12 in. dia. Pipe (w/o adjustable control)			Ft Pipe	\$41.36	\$49.63		
Inline WCS, Subsurface Drainage Control, <=10 in. dia. Pipe			Each	\$1,317.07	\$1,580.48		
Inline WCS, Subsurface Drainage Control, >10 in. dia. Pipe			Each	\$1,806.65	\$2,167.98		

- 1 *Payment is authorized for water control structures when needed for (554) Drainage Water Management, (443) Irrigation System - Surface and Subsurface, (449) Irrigation Water Management, (604) Saturated Buffer and/or (605) Denitrifying Bioreactor.*
- 2 *When used in conjunction with subsurface irrigation or drainage water management the existing subsurface tiles &/or surface ditches must be in place when the EQIP application is initiated (i.e., CPA1200 is signed).*
- 3 *See the (587) Structure for Water Control conservation practice standard.*

Practice Code	Conservation Practice	Maximum Payment	HU Maximum Payment	Practice Unit/ Payment Unit	Payment Rate	HU Payment Rate 1/	Lifespan (Years)
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606	Subsurface Drain						
	<i>Structural</i>	Supporting		Feet			20
	<= 5in CPP			Foot	\$1.59	\$1.91	
	6in CPP			Foot	\$1.93	\$2.31	
	8in CPP			Foot	\$4.57	\$5.48	
	10in CPP			Foot	\$6.04	\$7.24	
	12in CPP			Foot	\$6.78	\$8.13	
	>= 15in CPP			Foot	\$8.67	\$10.41	

- 1 Payment is authorized for this practice when it is required to establish and maintain (412) Grassed Waterway vegetation cover in conjunction with the installation of a (412) Grassed Waterway.
- 2 Payment is authorized for the installation of secondary mains on existing subsurface drainage systems where drainage water control structures are installed or planned.
- 3 The proposed secondary main installation plan MUST be provided to the State Water Management Engineer (SWME) when the EQIP application is initiated AND receive written approval from the SWME PRIOR to ranking the EQIP application.
- 4 Payment is only authorized when the participant can provide a completed 130 Conservation Activity Plan OR can provide the following to NRCS; a 1' interval topographical map of the site; existing tile map (showing locations, sizes and flow grades); planned location, size and grade of secondary main(s); and planned or existing structure locations and impacted area of each structure.
- 5 Payment is only authorized where water control structures are managing drainage on land of $\leq 1\%$ slope.
- 6 See the (606) Subsurface Drain conservation practice standard

620	Underground Outlet						
	<i>Structural</i>	Supporting		Feet			20
	6in Diameter Pipe with Risers			Foot	\$2.67	\$3.20	
	<i>Scenario is applicable to any pipe ≤ 8in diameter</i>						
	10in Diameter Pipe with Risers			Foot	\$6.94	\$8.33	
	>=12in Diameter Pipe with Risers			Foot	\$9.01	\$10.82	

- 1 See the (620) Underground Outlet conservation practice standard.

Practice Code	Conservation Practice	Maximum Payment	HU Maximum Payment	Practice Unit/ Payment Unit	Payment Rate	HU Payment Rate 1/	Lifespan (Years)
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632	Waste Separation Facility	Supporting	\$50,000	\$70,000	Number		15
	<i>Structural</i>						
	Earthen Settling Structure						
	<i>Payment unit is Cu Ft Total Storage Volume</i>						
	Concrete Basin						
	<i>Weeping Wall. Payment unit is Cu Ft Total Storage Volume.</i>						
Gravity Tank							
	<i>Pull Plug. Payment unit is Cu Ft Total Storage Volume.</i>						
	Concrete Sand Settling Lane				Sq Ft	\$5.65	\$6.78
	Mechanical Separation Facility				Each	\$27,080.14	\$32,496.16

- 1 Payment for this practice is only authorized when included as a planned practice in a CNMP approved prior to the EQIP application cutoff date, and where waste is generated by agricultural production or processing.
- 2 See the (632) Waste Separation Facility conservation practice standard.

642	Water Well	Supporting	\$15,000	\$21,000	Number		20
	<i>Structural</i>						
	Large Diameter Drilled Well						
	<i>Large diameter wells provide water storage in low yield wells typically using diameters 36 - 60 inches. Commonly utilized in northern Missouri.</i>						
	Shallow Drilled Well, <= 100 feet, <= 6in Dia.						
Shallow Drilled Well, <= 100 feet, > 6in Dia.				Foot	\$50.43	\$60.52	
	Deep Drilled Well, > 100 Feet				Foot	\$21.37	\$25.64

- 1 Payment is only authorized for this practice as a component of (528) Prescribed Grazing, (472) Access Control and/or a CNMP approved prior to the EQIP application cutoff date (CNMP must identify that a new water well is necessary to comply with wellhead protection requirements before technical or financial assistance is provided).
- 2 Payment is authorized for this practice on grazing lands where the current water supply is inadequate, and the underground water supply is adequate in quantity and quality for the purpose to be served and can be developed at an economical cost.
- 3 Payment is not authorized for electricity or a power unit.
- 4 See the (642) Water Well conservation practice standard.

Practice Code	Conservation Practice	Maximum Payment	HU Maximum Payment	Practice Unit/ Payment Unit	Payment Rate	HU Payment Rate 1/	Lifespan (Years)
614	Watering Facility <i>Structural</i>						10
	Supporting			Number			
	Portable Tank <i>Payment is per watering connection</i>			Each	\$153.54	\$184.25	
	Tire Tank <i>Payment is authorized using this scenario for all permanent tank installations that meet the 614 conservation practice standard.</i>			Each	\$906.68	\$1,088.01	
	Above Ground Storage, 1,000 - 3,000 gallons			Each	\$2,294.18	\$2,753.01	
	Above Ground Storage, >3,000 gallons			Each	\$3,851.91	\$4,622.29	
	Underground Storage Tank <i>Payment is only authorized for underground storage tanks >1000 gallons</i>			Each	\$3,610.52	\$4,332.63	
	Access Ramp			Sq Ft	\$2.28	\$2.73	

- 1 *Payment is only authorized as a component of (528) Prescribed Grazing and/or (472) Access Control.*
- 2 *Permanent Tanks and Above Ground Storage Tanks: Use (561) Heavy Use Area Protection for the base directly under the watering facility and stabilized area around the watering facility as needed per the CPS.*
- 3 *See the (614) Watering Facility conservation practice standard.*

351	Well Decommissioning <i>Structural</i>						20
	Supporting			Number			
	Drilled <=100 ft <i>Scenario is applicable to any depth drilled well decommissioning</i>			Each	\$777.86	\$933.43	
	Hand Dug <i>Payment unit is per foot depth of well</i>			Foot	\$47.66	\$57.19	

- 1 *See the (351) Water Well Decommissioning conservation practice standard.*

Practice Code	Conservation Practice	Maximum Payment	HU Maximum Payment	Practice Unit/ Payment Unit	Payment Rate	HU Payment Rate 1/	Lifespan (Years)
380	Windbreak/Shelterbelt Establishment						
	<i>Structural</i>			Feet			15
	Supporting						
	1 row windbreak, bareroot shrubs			Foot	\$0.41	\$0.51	
	1 row windbreak, bareroot shrubs with temporary irrigation			Foot	\$0.53	\$0.66	
	1 row windbreak, bareroot trees			Foot	\$0.29	\$0.36	
	1 row windbreak, bareroot trees with temporary irrigation			Foot	\$0.41	\$0.51	
	1 row windbreak, container shrubs, less than 2 gallon			Foot	\$1.22	\$1.48	
	1 row windbreak, container shrubs, less than 2 gallon with temporary irrigation			Foot	\$1.64	\$1.99	
	1 row windbreak, container shrubs 2 gallon and larger			Foot	\$2.03	\$2.45	
	1 row windbreak, container shrubs, 2 gallons and larger with temporary irrigation			Foot	\$2.71	\$3.27	
	1 row windbreak, container trees, less than 2 gallons			Foot	\$0.53	\$0.65	
	1 row windbreak, container trees, less than 2 gallon with temporary irrigation			Foot	\$0.84	\$1.02	
	1 row windbreak, container trees 2 gallons and larger			Foot	\$0.79	\$0.96	
	1 row windbreak, container trees, 2 gallon and larger with temporary irrigation			Foot	\$1.34	\$1.62	

- 1 Payment includes tree/shrub costs. Payment does not include site preparation. Tree/Shrub Site Preparation (490) may be needed in conjunction with this practice.
- 2 Payment Rate is per row of Windbreak/Shelterbelt multiplied by the number of rows planned as specified in the conservation practice standard.
- 3 Irrigation history is not required for the temporary irrigation scenarios.
- 4 Containers 1 quart and smaller will use the applicable bareroot payment rate.
- 5 See the (380) Windbreak/Shelterbelt Establishment conservation practice standard.

Footnotes and Acronym Information

- 1/ HU Payment Rate refers to the payment rate for Historically Underserved Farmers (Limited Resource Farmers, Beginning Farmers, Socially Disadvantaged Farmers, and Veteran Farmers who also qualify as Beginning Farmers).
- 2/ FMP = Forest Management Plan. Approved FMP's are any plans written by NRCS, Technical Service Providers, or partners that meet the Forest Management Plan Criteria for Practice/Activity Code 106 found in Section III of the Missouri eFOTG.
- 3/ AFO = Animal Feeding Operation. An AFO is an agricultural operation where animals are kept and raised in confined situations. AFOs generally congregate animals, feed, manure, dead animals, and production operations on a small land area. Feed is brought to the animals rather than the animals grazing or otherwise seeking feed in pastures, fields, or on rangeland. An AFO is a lot or facility (other than an aquatic animal production facility) where both of the following conditions are met:
 - (a) Animals have been, are, or will be stabled or confined and fed or maintained for a total of 45 days or more in any 12-month period (note: 45 days do not have to be consecutive).
 - (b) Crops, vegetation, forage growth, or post-harvest residues are not sustained in the normal growing season over any portion of the lot or facility (note: greater than 50% of the lot does not sustain vegetative cover to be considered an AFO per MO Code of State Regulations 6.300(1)(B)4).
- 4/ NMP = Nutrient Management Plan. Approved NMP's are any plans written by NRCS, Technical Service Providers, or partners that meets the Nutrient Management Plan Criteria for Practice/Activity Code 104 found in Section III of the Missouri eFOTG.

CNMP Comprehensive Nutrient Management Plan

TSP Technical Service Provider (<http://www.nrcs.usda.gov/wps/portal/nrcs/main/national/programs/technical/tsp>)

This Program Policy is approved for use in Missouri

J. R. Flores

Missouri State Conservationist

December 1, 2017

Date