

MO 2019 EQIP-MRBI Sugar Creek Bean Lake/Lewis and Clark-Bee Creek

Environmental Quality Incentives Program Policy for the 2015 MRBI Project in Sugar Creek (HUC 102400110302) and Mission Creek-Missouri River (HUC 102400110304) Watersheds and 2016 MRBI Project in Lewis and Clark Lake-Missouri River (HUC 102400110301), Upper Bee Creek (HUC 102400110401), and Middle Bee Creek (HUC 102400110402) Watersheds with Buchanan and Platte County SWCD

October 26, 2018

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

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 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.

One Core Practice must be included in the Conservation Plan of Operations before any Supporting Practice can be included in the contract.

Practice Code	Conservation Practice	Maximum Payment	HU Maximum Payment	Practice Unit/ Payment Unit	Payment Rate	HU Payment Rate 1/	Lifespan (Years)
328	Conservation Crop Rotation Management			Acre			1
	Core						
	Basic Rotation Organic and Non-Organic			Acre	\$9.18	\$11.02	
	<i>Scenario is applicable to adding a small grain to the rotation. Payment made only when the small grain is harvested.</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 (328) Conservation Crop Rotation conservation practice standard.</i>						
340	Cover Crop Management			Acre			1
	Core						
	Cover Crop - Basic (Organic and Non-organic)			Acre	\$51.58	\$61.90	
	<i>1 Practice is authorized for up to three payments per acre within the contract period.</i>						
	<i>2 Payment is not authorized for crops harvested for grain, seed or hay.</i>						
	<i>3 No more than three separate management practices may be combined per acre.</i>						
	<i>4 See the (340) Cover Crop conservation practice standard.</i>						
342	Critical Area Planting Structural			Acre			10
	Core						
	Native or Introduced Vegetation - Normal Tillage (Organic and Non-Organic)			Acre	\$137.96	\$165.55	
	<i>1 See the (342) Critical Area Planting conservation practice standard and (723) Vegetation Establishment, Herbaceous Seeding Specification.</i>						

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			Acre			1
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Core

Basic NM (Non-Organic/Organic)	Acre	\$6.29	\$7.55
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Basic NM with Manure and/or Compost (Non-Organic/Organic)	Acre	\$13.53	\$16.23
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Scenario is applicable to surface applications of manure and/or compost without incorporation.

Basic NM with Manure Injection or Incorporation	Acre	\$26.51	\$31.81
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Basic Precision NM (Non-Organic/Organic)	Acre	\$38.84	\$46.61
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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.

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)
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329	Residue and Tillage Management, No Till Management	Core		Acre			1
	No-Till/Strip-Till			Acre	\$16.95	\$20.34	

- 1 All crops planted will be no-tilled/strip-tilled to receive this payment, including double- or triple-cropped crops and cover crops.
- 2 Practice is authorized for up to three payments per acre within the contract period.
- 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.
- 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.
- 5 Practice is eligible for payment after all crops in rotation have been no tilled according to the 329 CPS.
- 6 No more than three separate management practices may be combined per acre.
- 7 See (329) Residue and Tillage Management, No Till conservation practice standard.

600	Terrace Structural	Core		Feet			10
	Broadbase, no Topsoiling			Foot	\$2.14	\$2.57	
	Broadbase, with Topsoiling			Foot	\$3.44	\$4.12	
	Grassed Front or Steep Backslope, no Topsoiling			Foot	\$1.89	\$2.26	
	Grassed Front or Steep Backslope, with Topsoiling			Foot	\$3.18	\$3.81	

Scenario is also applicable to Narrowbase terrace installations. Scenario does not include seeding, utilize (342) Critical Area Planting.

- 1 Scenarios are applicable for both open outlet terraces and closed outlet terraces.
- 2 Payment is only authorized where a grassed waterway or wetland is utilized as an outlet.
- 3 See the (600) Terrace conservation practice standard.

658	Wetland Creation Structural	Core		Acre			15
	Embankment			Acre	\$3,371.95	\$4,086.44	
	Excavated			Acre	\$3,124.24	\$3,789.19	

- 1 See the (658) Wetland Creation 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			Number			20
	<i>Structural</i>	<i>Supporting</i>					
	Inline Stoplog WCS, Surface Water Control, 6-10 in. dia. Pipe			Each	\$2,039.35	\$2,447.22	
	Inline Stoplog WCS, Surface Water Control, 12-18 in. dia. Pipe			Each	\$3,395.07	\$4,074.09	
	Inline Stoplog WCS, Surface Water Control, >18 in. dia. Pipe			Each	\$4,712.72	\$5,655.26	
	Weir Box Inlet WCS, Surface Water Control, <=16 in. dia. Pipe.			Each	\$2,400.78	\$2,880.94	
	Weir Box Inlet WCS, Surface Water Control, >16 in. dia. Pipe.			Each	\$3,277.84	\$3,933.40	
	Weir Box Inlet WCS, Surface Water Control Using Existing Pipe (Box Only)			Each	\$408.91	\$490.69	
	Watertight Flap gate Inflow WCS, Surface Water Control, <=15 in. dia. Pipe			Each	\$2,553.23	\$3,063.87	
	<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	\$3,117.08	\$3,740.50	
	<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	\$34.89	\$41.87	
	Straight Pipe, Surface Water Control, >=12 in. dia. Pipe (w/o adjustable control)			Ft Pipe	\$42.07	\$50.49	
	Inline WCS, Subsurface Drainage Control, <=10 in. dia. Pipe			Each	\$1,345.26	\$1,614.31	
	Inline WCS, Subsurface Drainage Control, >10 in. dia. Pipe			Each	\$1,848.57	\$2,218.28	

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 and/or (646) Shallow Water Development and Management

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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620	Underground Outlet						
	<i>Structural</i>	Supporting		Feet			20
	6in Diameter Pipe with Risers			Foot	\$2.82	\$3.39	
	<i>Scenario is applicable to any pipe ≤ 8in diameter</i>						
	10in Diameter Pipe with Risers			Foot	\$6.82	\$8.18	
	>=12in Diameter Pipe with Risers			Foot	\$9.22	\$11.07	

1 Only authorized as part of a system to treat existing water quality related resource concerns. The drainage area affecting the UGO must be treated to "T", and a nutrient budget must be developed for each field for nutrients applied, utilized by plants, and residual in the soil. Fertilizer and lime applications must be based on realistic yield goals and current (less than 5 years old) soil tests composed of at least eight soil cores per field. Fertilizer and lime recommendations follow guidance from University of Missouri-Columbia Extension or recommendations from a neighboring land-grant university. Nitrogen fertilizer applications made outside of the main crop growing period (e.g., fall fertilizer for spring-planted corn) shall not be made unless activities that reduce nitrogen losses are implemented (e.g., cover crop or winter-grown cash crop, nitrification inhibitor for fall-applied anhydrous ammonia)

2 See the (620) Underground Outlet 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).

This Program Policy is approved for use in Missouri

Karen Brinkman, Acting

October 29, 2018

Missouri State Conservationist

Date