

**MRBI - Upper Buck Creek**  
**2016 Kentucky Environmental Quality Incentives Program (EQIP)**  
**Application Field Ranking Worksheet**

**Applicant Name:**

**Application #:**

**Eligible Practices**

Core/ Supporting	Code	Practice Name	Resource Concern (s)	Planned Amount	Tract/Field
C	472	Access Control			
S	316	Animal Mortality Facility			
S	317	Composting Facility			
N/A	102	Comprehensive Nutrient Management Plan			
C	327	Conservation Cover			
C	340	Cover Crop			
C	342	Critical Area Planting			
S	362	Diversion			
S	382	Fence			
S	386	Field Border			
C	512	Forage and Biomass Planting			
S	410	Grade Stabilization Structure			
C	412	Grassed Waterway			
N/A	110	Grazing Management Plan			
S	561	Heavy Use Area Protection			
S	315	Herbaceous Weed Control			
S	595	Integrated Pest Management			
N/A	114	Integrated Pest Management Plan			
C	441	Irrigation System, Micro irrigation			
C	449	Irrigation Water Management			
N/A	118	Irrigation Water Management Plan			
S	468	Lined Waterway or Outlet			
S	516	Livestock Pipeline			
S	484	Mulching			
C	590	Nutrient Management			
N/A	104	Nutrient Management Plan			
S	378	Pond			
C	528	Prescribed Grazing			
S	533	Pumping Plant			
C	329	Residue and Tillage Management, No Till			
C	391	Riparian Forest Buffer			
C	390	Riparian Herbaceous Cover			
S	558	Roof Runoff Structure			
S	367	Roofs and Covers			
S	578	Stream Crossing			
S	580	Streambank and Shoreline Protection			
S	587	Structure for Water Control			
S	606	Subsurface Drain			
C	600	Terrace			
S	575	Trails and Walkways			
S	490	Tree and Shrub Site Prep			
C	612	Tree/Shrub Establishment			
S	620	Underground Outlet			
C	635	Vegetated Treatment Area			
S	313	Waste Storage Facility			
S	634	Waste Transfer			
S	638	Water & Sediment Control Basin			
S	642	Water Well			
S	614	Watering Facility			
C	658	Wetland Creation			

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**Eligible Resource Concerns**

ID#	Resource Concern
1	Fish and Wildlife - Inadequate Habitat: Inadequate Habitat - Cover/Shelter
2	Fish and Wildlife - Inadequate Habitat: Inadequate Habitat - Food
3	Fish and Wildlife - Inadequate Habitat: Inadequate Habitat - Habitat Continuity (Space)
4	Fish and Wildlife - Inadequate Habitat: Water
5	Soil Erosion: Classic Gully Erosion
6	Soil Erosion: Ephemeral Gully Erosion
7	Soil Erosion: Sheet and Rill Erosion
8	Soil Erosion: Streambank, Shoreline, Water Conveyance Channels
9	Water Quality Degradation: Excessive Sediment in Surface Water
10	Water Quality Degradation: Nutrients in Surface Water
11	Water Quality Degradation: Nutrients in Ground Water
12	Water Quality Degradation: Pesticides in Surface Water
13	Water Quality Degradation: Pesticides in Ground Water
14	Water Quality Degradation: Excess Pathogens and Chemicals from Manure, Bio-solids, or Compost Applications in Ground Water.
15	Water Quality Degradation: Excess Pathogens and Chemicals from Manure, Bio-solids, or Compost Applications in Surface Water.
16	Insufficient Water: Inefficient Use of Irrigation Water

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**National Questions**

1	If the application is for development of a Conservation Activity Plan (CAP), the agency will assign significant ranking priority and conservation benefit by answering "Yes" to the following question. Answering "Yes" to question 1a will result in the application being awarded the maximum amount of points that can be earned for the national priority category.		
1a	Is the program application to support the development of a Conservation Activity Plan (CAP)? If answer is "Yes", do not answer any other national level questions. If answer is "No", proceed with evaluation to address the remaining questions in this section.	<b>Yes</b>	<b>No</b>
2	Water Quality Degradation – Will the proposed project improve water quality by: (select all that apply)		
2a	Implementing the practices in a Comprehensive Nutrient Management Plan (CNMP)?	<b>Yes</b>	<b>No</b>
2b	Implementing the practices in a Nutrient Management Plan (NMP)?	<b>Yes</b>	<b>No</b>
2c	Reducing impacts from sediment, nutrients, salinity, or pesticides on land adjoining a designated "impaired water body" (TMDL, 303d listed waterbody, or other State designation)?	<b>Yes</b>	<b>No</b>
2d	Reducing the impacts from sediment, nutrients, salinity, or pesticides in a "non-impaired" water body?	<b>Yes</b>	<b>No</b>
2e	Implementing practices that improve water quality through animal mortality and carcass management? (Yes, if Animal Mortality Facility (316) is planned)	<b>Yes</b>	<b>No</b>
3	Water Conservation - Will the proposed project conserve water by: (select all that apply)		
3a	Implementing irrigation practices that reduce aquifer overdraft? (NO)		<b>No</b>
3b	Implementing irrigation practices that reduce on-farm water use? (Yes, if implementing practices identified in a certified Irrigation Water Management Plan (118))	<b>Yes</b>	<b>No</b>
3c	Implementing practices in an area where the applicant participates in a geographically established or watershed-wide project? (NO)		<b>No</b>
3d	Implementing practices that reduce on-farm water use as a result of changing to crops with lower water consumptive use, the rotation of crops, or the modification of cultural operations? (Yes, if implementing practices identified in a certified Irrigation Water Management Plan (118))	<b>Yes</b>	<b>No</b>
4	Air Quality - Will the proposed project improve air quality by: (select all that apply)		
4a	Meeting on-farm regulatory requirements relating to air quality or proactively avoid the need for regulatory measures? (NO)		<b>No</b>
4b	Implementing practices that reduce on-farm emissions of particulate matter (PM2.5, PM10)? (NO)		<b>No</b>
4c	Implementing practices that reduce on-farm generated greenhouse gases such as carbon dioxide (CO <sub>2</sub> ), Methane (CH <sub>4</sub> ), and Nitrous Oxide (N <sub>2</sub> O)? (Yes only for Organic Certified or Transitioning to Organic)		<b>No</b>
4d	Implementing practices that increase carbon sequestration?(Yes if planning 612, 666, 422, 380, 381, or native grass 327, 512, 386, 390, 643, or 391)		<b>No</b>

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5	Soil Health - Will the proposed project improve soil health by: (select all that apply)		
5a	Reduce erosion to tolerable limits (Soil "T")?(Field must be above "T" and practice(s) takes to "T" or below. Must be supported with RUSLE2)	Yes	No
5b	Increasing organic matter and carbon content, and improving soil tilth and structure? (Yes, when Cover Crop 340 is included for Soil Health)	Yes	No
6	Wildlife Habitat - Will the proposed project improve wildlife habitat by: (select all that apply)		
6a	Implementing practices benefitting threatened and endangered, at-risk, candidate, or species of concern?(Refer to NRCS T&E Species by County list and Practice Effects Document located in Section II of eFOTG. Also, Yes if Forest Stand Imp 666 or Brush Mgt 314 is planned in the Forestland Bird Conservation Area or when the following are planned in the Grassland Bird Conservation Area - Conservation Cover, Field Border, Hedgerow Planting, Tree/Shrub Est-Shrub planting only, and points may be awarded when native grasses are used for a Riparian Herb Cover or Forage and Biomass Planting.)	Yes	No
6b	Implementing practices that retain wildlife habitat on land exiting the Conservation Reserve Program (CRP) or other set-aside program? (Examples would be 612, 327, 386, and 390 when wildlife beneficial vegetation is being planned)	Yes	No
6c	Implementing practices benefitting honey bee populations or other pollinators? (Yes, if native forbs or shrubs/trees are being established, or if 643, 390, 666, or 314 is planned)	Yes	No
6d	Implementing land-based practices that improve habitat for aquatic wildlife? (Yes, if 658 is planned)	Yes	No
7	Plant and Animal Communities: Will the proposed project improve plant and animal communities? (select all that apply)		
7a	Implementing practices that result in the management control of noxious or invasive plant species on non-cropland? (Yes if practice(s) help treat invasive plant species on list located at <a href="http://www.se-eppc.org/ky/list.htm">http://www.se-eppc.org/ky/list.htm</a> . Ex: 666 and 314 that address bush honeysuckle or tree of heaven or 512 that converts endophyte infected tall fescue.)	Yes	No
7b	Implementing practices in an Integrated Pest Management Plan (IPM)?	Yes	No
8	Energy Conservation - Will the proposed project reduce energy by: (select all that apply)		
8a	Reduce on-farm energy consumption? (Yes, if 472, 327, 386, 390, 412, 422, 329, 380, 391, 381, or 612 is planned. Also, yes when Fence 382 is planned that includes a solar charger or if 512 is planned to convert cropland to pastureland or hayland.)		No
8b	Implementing practice(s) identified in an approved AgEMP or energy audit, which meets ASABE S612 criteria? (Yes, when Farmstead Energy Imp 374 is planned)		No
9	Business Lines – Will the practices to be scheduled in the "EQIP Plan of Operations" result in:		
9a	Enhancement of existing conservation practice(s) or conservation system already in place at time the application is received? (Answer Yes if the planned practices will improve an existing conservation practice or complete an existing conservation system. See Guidance Document for examples)	Yes	No

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**State Questions**

1	If the application is for the development of a Conservation Activity Plan (CAP), the agency will assign significant ranking priority and conservation benefit by answering "Yes" to the following question. Answering "Yes" to question 1a will result in the application being awarded the maximum amount of points that can be earned for the state priority category.		
1a	Is the program application to support the development of a Conservation Activity Plan (CAP)? If answer is "Yes", do not answer any other state level questions. If answer is "No", proceed with evaluation to address the remaining questions in this section. (Self-explanatory)	<b>Yes</b>	<b>No</b>
2	Answer "Yes" or "No" to the following questions:		
2a	Are core conservation practices to be implemented on offered acres with a majority of soil types that are classified hydrologic group D (high runoff) or group A (high infiltration)?	<b>Yes</b>	<b>No</b>
2b	Are more than 75% of the acres treated located within a MRBI watershed AND do they have at least one core conservation practice planned on them?	<b>Yes</b>	<b>No</b>
2c	Planned practice(s) include one or more Core Practices and one or more Supporting Practices.	<b>Yes</b>	<b>No</b>
2d	Are more than 75% of the acres treated located within a priority area within the Upper Buck Creek watershed?	<b>Yes</b>	<b>No</b>
2e	EQIP planned practice(s) on offered cropland acres include a conservation practice(s) that will improve soil quality, reduce sheet and rill, and/or reduce gully erosion from the existing condition.	<b>Yes</b>	<b>No</b>
2f	For operations of 10 acres or more, the participant has a current Kentucky Agriculture Water Quality Act Plan (AWQA), or for forestland, a Forest Stewardship Plan/Forest Management Plan (CAP106), that includes the Best Management Practices (BMP) or land use for which they are requesting financial assistance. (Yes if applicant has a current Ag Water Quality Act Plan and copy must be placed in case file- Signed certification will not be acceptable - If forest land owner has a stewardship plan to ensure that ground and surface water is protected from pollution and activities on the property, then an AWQP is not required.	<b>Yes</b>	<b>No</b>

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**Local Questions**

1	If the application is for the development of a Conservation Activity Plan (CAP), the agency will assign significant ranking priority and conservation benefit by answering "Yes" to the following question. Answering "Yes" to question 1a will result in the application being awarded the maximum amount of points that can be earned for the local priority category.		
1a	Is the program application to support the development of a Conservation Activity Plan (CAP)? If answer is "Yes", do not answer any other local level questions. If answer is "No", proceed with evaluation to address the remaining questions in this section.	<b>Yes</b>	<b>No</b>
2	Answer "Yes" or "No" to the following questions:		
2a	Does this application exclude livestock from water sources on the entire farming operation?	<b>Yes</b>	<b>No</b>
2b	Does this application exclude livestock from at least one water source within the farming operation?	<b>Yes</b>	<b>No</b>
2c	Does this application include cropland conversion to grassland?	<b>Yes</b>	<b>No</b>
2d	Does this application include cover crops?	<b>Yes</b>	<b>No</b>
2e	Does this application include buffers (Vegetative Treatment Area, Riparian Buffers and/or Field Borders)?	<b>Yes</b>	<b>No</b>
2f	Does this application include Prescribed Grazing?	<b>Yes</b>	<b>No</b>
2g	Are planned practices in the impaired watershed within 1/4 mile of a stream identified on the Strahler Stream Order ArcGIS layer?	<b>Yes</b>	<b>No</b>
2h	Does this application include practices recommended in a Comprehensive Nutrient Management Plan (CNMP)?	<b>Yes</b>	<b>No</b>

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**Certification and Signatures**

*I am submitting this Environmental Quality Incentives Program (EQIP) application to NRCS for consideration. I understand that any practice started prior to an application being selected for funding and approved as a contract is not eligible for EQIP funding.*

*The conservation practices, quantity, and field numbers listed on page 1 of this field inventory worksheet are the extent for practices planned for financial assistance through this EQIP application.*

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Signature of Applicant and Date

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Signature of NRCS Representative and Date