

## NATIONAL RANKING TEMPLATE

**TEMPLATE NAME**

Environmental Quality Incentives Program (EQIP) - Edge of Field (EoF) Water Quality Monitoring - Amended October 2022

**PROGRAM**

Environmental Quality Incentives Program

**LAND USES**

**MODIFIERS (the modifiers- must be met and are not or but and)**

	Included		Included		Included		Included		Included		Included		Included		Included		Included
Crop	<input checked="" type="checkbox"/>	Grazed	<input type="checkbox"/>	Wildlife	<input type="checkbox"/>	Irrigated	<input type="checkbox"/>	Hayed	<input type="checkbox"/>	Drained	<input type="checkbox"/>	Organic	<input type="checkbox"/>	Water Feature	<input type="checkbox"/>	Protected	<input type="checkbox"/>
Forest	<input checked="" type="checkbox"/>	Grazed	<input type="checkbox"/>	Wildlife	<input type="checkbox"/>	Irrigated	<input type="checkbox"/>					Organic	<input type="checkbox"/>	Water Feature	<input type="checkbox"/>	Protected	<input type="checkbox"/>
Range	<input checked="" type="checkbox"/>	Grazed	<input type="checkbox"/>	Wildlife	<input type="checkbox"/>			Hayed	<input type="checkbox"/>			Organic	<input type="checkbox"/>	Water Feature	<input type="checkbox"/>	Protected	<input type="checkbox"/>
Pasture	<input checked="" type="checkbox"/>	Grazed	<input type="checkbox"/>	Wildlife	<input type="checkbox"/>	Irrigated	<input type="checkbox"/>	Hayed	<input type="checkbox"/>	Drained	<input type="checkbox"/>	Organic	<input type="checkbox"/>	Water Feature	<input type="checkbox"/>	Protected	<input type="checkbox"/>
Farmstead	<input type="checkbox"/>	Grazed	<input type="checkbox"/>	Wildlife	<input type="checkbox"/>	Irrigated	<input type="checkbox"/>					Organic	<input type="checkbox"/>	Water Feature	<input type="checkbox"/>	Protected	<input type="checkbox"/>
Developed Land	<input type="checkbox"/>			Wildlife	<input type="checkbox"/>	Irrigated	<input type="checkbox"/>					Organic	<input type="checkbox"/>	Water Feature	<input type="checkbox"/>	Protected	<input type="checkbox"/>
Water	<input type="checkbox"/>			Wildlife	<input type="checkbox"/>							Organic	<input type="checkbox"/>	Water Feature	<input type="checkbox"/>	Protected	<input type="checkbox"/>
Other Rural Land	<input checked="" type="checkbox"/>	Grazed	<input type="checkbox"/>	Wildlife	<input type="checkbox"/>	Irrigated	<input type="checkbox"/>					Organic	<input type="checkbox"/>	Water Feature	<input type="checkbox"/>	Protected	<input type="checkbox"/>
Associated Ag Land	<input type="checkbox"/>	Grazed	<input type="checkbox"/>	Wildlife	<input type="checkbox"/>	Irrigated	<input type="checkbox"/>	Hayed	<input type="checkbox"/>			Organic	<input type="checkbox"/>	Water Feature	<input type="checkbox"/>	Protected	<input type="checkbox"/>

**RESOURCE CONCERN CATEGORIES**

Min%    Default    Max%    Included

Notes (Reasons for Inclusions)

<b>Air Quality emissions</b>	<b>0</b>	<b>0</b>	<b>0</b>	<input type="checkbox"/>	
Emmissions of airborne reactive nitrogen	0	0	0	<input type="checkbox"/>	
Emmissions of greenhouse gases - GHGs	0	0	0	<input type="checkbox"/>	
Emmissions of ozone precursors	0	0	0	<input type="checkbox"/>	
Emmissions of particulate matter (PM) and PM precursors	0	0	0	<input type="checkbox"/>	
Objectionable odor	0	0	0	<input type="checkbox"/>	
Total		0			
<b>Aquatic Habitat</b>	<b>0</b>	<b>10</b>	<b>20</b>	<input checked="" type="checkbox"/>	
Aquatic habitat for fish and other organisms	0	50	100	<input checked="" type="checkbox"/>	
Elevated water temperature	0	50	100	<input checked="" type="checkbox"/>	
Total		100			
<b>Concentrated Erosion</b>	<b>0</b>	<b>0</b>	<b>0</b>	<input type="checkbox"/>	
Bank erosion from streams, shorelines, or water conveyances channels	0	0	0	<input type="checkbox"/>	
Classic gully erosion	0	0	0	<input type="checkbox"/>	
Ephemeral gully erosion	0	0	0	<input type="checkbox"/>	
Total		0			
<b>Degraded Plant Condition</b>	<b>0</b>	<b>0</b>	<b>0</b>	<input type="checkbox"/>	
Plant productivity and health	0	0	0	<input type="checkbox"/>	
Plant structure and composition	0	0	0	<input type="checkbox"/>	
Total		0			
<b>Field Pesticide Loss</b>	<b>0</b>	<b>5</b>	<b>5</b>	<input checked="" type="checkbox"/>	
Pesticides transported to groundwater	0	60	100	<input checked="" type="checkbox"/>	
Pesticides transported to surface water	0	40	100	<input checked="" type="checkbox"/>	
Total		100			

<b>Field Sediment, Nutrient, and Pathogen Loss</b>	<b>20</b>	<b>60</b>	<b>80</b>	<input checked="" type="checkbox"/>
Nutrients transported to groundwater	10	15	60	<input checked="" type="checkbox"/>
Nutrients transported to surface water	10	30	60	<input checked="" type="checkbox"/>
Pathogens and chemicals from manure, biosolids, or compost applications transported to groundwater	10	15	60	<input checked="" type="checkbox"/>
Pathogens and chemicals from manure, biosolids, or compost applications transported to surface water	10	15	60	<input checked="" type="checkbox"/>
Sediment transported to surface water	10	25	60	<input checked="" type="checkbox"/>
Total		100		
<b>Fire Management</b>	<b>0</b>	<b>0</b>	<b>0</b>	<input type="checkbox"/>
Wildfire hazard from biomass accumulation	0	0	0	<input type="checkbox"/>
Total		0		
<b>Inefficient Energy Use</b>	<b>0</b>	<b>0</b>	<b>0</b>	<input type="checkbox"/>
Energy efficient equipment and facilities	0	0	0	<input type="checkbox"/>
Energy efficient farming/ranching practices and field operations	0	0	0	<input type="checkbox"/>
Total		0		
<b>Livestock Production Limitation</b>	<b>0</b>	<b>0</b>	<b>0</b>	<input type="checkbox"/>
Feed and forage balance	0	0	0	<input type="checkbox"/>
Inadequate livestock shelter	0	0	0	<input type="checkbox"/>
distribution	0	0	0	<input type="checkbox"/>
Total		0		
<b>Long-term Protection of Land</b>	<b>0</b>	<b>0</b>	<b>0</b>	<input type="checkbox"/>
Loss of functions and values	0	0	0	<input type="checkbox"/>
Threat of Conversion	0	0	0	<input type="checkbox"/>
Total		0		<input type="checkbox"/>
<b>Pest Pressure</b>	<b>0</b>	<b>0</b>	<b>0</b>	<input type="checkbox"/>
Plant pest pressure	0	0	0	<input type="checkbox"/>
Total		0		
<b>Salt Losses to Water</b>	<b>0</b>	<b>5</b>	<b>10</b>	<input checked="" type="checkbox"/>
Salt transported to groundwater	0	50	100	<input checked="" type="checkbox"/>
Salt transported to surface water	0	50	100	<input checked="" type="checkbox"/>
Total		100		
<b>Soil Quality Limitations</b>	<b>0</b>	<b>5</b>	<b>10</b>	<input checked="" type="checkbox"/>
Aggregate instability	0	15	100	<input checked="" type="checkbox"/>
Compaction	0	15	100	<input checked="" type="checkbox"/>
Concentration of salts or other chemicals	0	20	100	<input checked="" type="checkbox"/>
Organic matter depletion	0	15	100	<input checked="" type="checkbox"/>
Soil organism habitat loss or degradation	0	15	100	<input checked="" type="checkbox"/>
Subsidence	0	20	100	<input checked="" type="checkbox"/>
Total		100		
<b>Source Water Depletion</b>	<b>0</b>	<b>0</b>	<b>0</b>	<input type="checkbox"/>
Groundwater depletion	0	0	0	<input type="checkbox"/>
Inefficient irrigation water use	0	0	0	<input type="checkbox"/>
Surface water depletion	0	0	0	<input type="checkbox"/>
Total		0		

<b>Storage and Handling of Pollutants</b>	<b>0</b>	<b>0</b>	<b>0</b>	<input checked="" type="checkbox"/>
Nutrients transported to groundwater	0	0	0	<input checked="" type="checkbox"/>
Nutrients transported to surface water	0	0	0	<input checked="" type="checkbox"/>
Petroleum, heavy metals, and other pollutants transported to groundwater	0	0	0	<input checked="" type="checkbox"/>
Petroleum, heavy metals, and other pollutants transported to surface water	0	0	0	<input checked="" type="checkbox"/>
Total		0		
<b>Terrestrial Habitat</b>	<b>0</b>	<b>0</b>	<b>0</b>	<input type="checkbox"/>
Terrestrial habitat for wildlife and invertebrates	0	0	0	<input type="checkbox"/>
Total		0		
<b>Weather Resilience</b>	<b>0</b>	<b>0</b>	<b>0</b>	<input type="checkbox"/>
Drifted snow	0	0	0	<input type="checkbox"/>
Naturally available moisture use	0	0	0	<input type="checkbox"/>
Ponding and flooding	0	0	0	<input type="checkbox"/>
Seasonal high water table	0	0	0	<input type="checkbox"/>
Seeps	0	0	0	<input type="checkbox"/>
Total		0		
<b>Wind and Water Erosion</b>	<b>5</b>	<b>15</b>	<b>20</b>	<input checked="" type="checkbox"/>
Sheet and rill erosion	10	90	100	<input checked="" type="checkbox"/>
Wind erosion	0	10	100	<input checked="" type="checkbox"/>
Total		100		
<b>Resource Concern Categories Total</b>		100		

<b>Conservation Activities</b>	<b>CART Practices</b>
Practices	See list attached.

RANKING COMPONENT WEIGHTS	Min%	Default	Max%	Max Point	Ranking Algorithm Adjustments										
					Default	A	B	C	D	E	F	G	H	I	
Vulnerabilities	40	40	40		<input checked="" type="checkbox"/>	<input type="checkbox"/>									
Planned Practice Points	15	15	15		<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>	
Resource Priorities	20	30	40		<input checked="" type="checkbox"/>										
Program Priorities	5	5	15		<input checked="" type="checkbox"/>										
Efficiency	10	10	10		<input checked="" type="checkbox"/>										
<b>Total</b>		100													

<b>Practice Code</b>	<b>Practice Name</b>	<b>Include</b>
101	CNMP Design and Implementation Activity	X
102	Comprehensive Nutrient Management Plan	X
106	Forest Management Plan	X
110	Grazing Management Plan	X
116	Soil Health Management Plan	X
120	Agricultural Energy Design	X
138	Conservation Plan Supporting Organic Transition	X
140	Organic Transition Design and Implementation Activity	X
157	Nutrient Management Design and Implementation Activity	X
159	Grazing Management Design and Implementation Activity	X
160	Prescribed Burning Design and Implementation Activity	X
161	Pest Management Conservation System Design and Implementation Activity	X
162	Soil Health Design and Implementation Activity	X
163	Irrigation Water Management Design and Implementation Activity	X
164	Drainage Water Management Design and Implementation Activity	X
165	Forest Management Design and Implementation Activity	X
201	Edge-of-Field Water Quality Monitoring-Data Collection and Evaluation	X
202	Edge-of-Field Water Quality Monitoring-System Installation	X
309	Agrichemical Handling Facility	X
311	Alley Cropping	X
313	Waste Storage Facility	X
314	Brush Management	X
315	Herbaceous Weed Treatment	X
316	Animal Mortality Facility	X
317	Composting Facility	X
318	Short Term Storage of Animal Waste and Byproducts	X
319	On-Farm Secondary Containment Facility	X
327	Conservation Cover	X
328	Conservation Crop Rotation	X
329	Residue and Tillage Management, No-Till	X
330	Contour Farming	X
331	Contour Orchard and Other Perennial Crops	X
332	Contour Buffer Strips	X
333	Amending Soil Properties with Gypsum Products	X
338	Prescribed Burning	X
340	Cover Crop	X
342	Critical Area Planting	X
345	Residue and Tillage Management, Reduced Till	X
348	Dam, Diversion	X
350	Sediment Basin	X
351	Well Decommissioning	X
353	Monitoring Well	X
355	Groundwater Testing	X
356	Dike and Levee	X
359	Waste Treatment Lagoon	X
360	Waste Facility Closure	X

<b>Practice Code</b>	<b>Practice Name</b>	<b>Include</b>
362	Diversion	X
366	Anaerobic Digester	X
367	Roofs and Covers	X
378	Pond	X
380	Windbreak/Shelterbelt Establishment	X
381	Silvopasture Establishment	X
382	Fence	X
386	Field Border	X
390	Riparian Herbaceous Cover	X
391	Riparian Forest Buffer	X
393	Filter Strip	X
395	Stream Habitat Improvement and Management	X
396	Aquatic Organism Passage	X
402	Dam	X
410	Grade Stabilization Structure	X
412	Grassed Waterway	X
422	Hedgerow Planting	X
423	Hillside Ditch	X
428	Irrigation Ditch Lining	X
430	Irrigation Pipeline	X
436	Irrigation Reservoir	X
441	Irrigation System, Microirrigation	X
442	Sprinkler System	X
443	Irrigation System, Surface and Subsurface	X
447	Irrigation System, Tailwater Recovery	X
449	Irrigation Water Management	X
450	Anionic Polyacrylamide (PAM) Application	X
462	Precision Land Forming	X
464	Irrigation Land Leveling	X
468	Lined Waterway or Outlet	X
472	Access Control	X
484	Mulching	X
490	Tree/Shrub Site Preparation	X
500	Obstruction Removal	X
511	Forage Harvest Management	X
512	Forage and Biomass Planting	X
516	Livestock Pipeline	X
528	Prescribed Grazing	X
533	Pumping Plant	X
550	Range Planting	X
554	Drainage Water Management	X
557	Row Arrangement	X
558	Roof Runoff Structure	X
560	Access Road	X
561	Heavy Use Area Protection	X
574	Spring Development	X

<b>Practice Code</b>	<b>Practice Name</b>	<b>Include</b>
575	Trails and Walkways	X
578	Stream Crossing	X
580	Streambank and Shoreline Protection	X
582	Open Channel	X
585	Stripcropping	X
587	Structure for Water Control	X
588	Crosswind Ridges	X
589	Cross Wind Trap Strips	X
590	Nutrient Management	X
591	Amendments for the Treatment of Agricultural Waste	X
595	Integrated Pest Management	X
600	Terrace	X
601	Vegetative Barrier	X
603	Herbaceous Wind Barriers	X
604	Saturated Buffer	X
605	Denitrifying Bioreactor	X
606	Subsurface Drain	X
607	Surface Drain, Field Ditch	X
608	Surface Drain, Main or Lateral	X
609	Surface Roughening	X
612	Tree/Shrub Establishment	X
614	Watering Facility	X
620	Underground Outlet	X
629	Waste Treatment	X
632	Waste Separation Facility	X
633	Waste Recycling	X
634	Waste Transfer	X
635	Vegetated Treatment Area	X
638	Water and Sediment Control Basin	X
640	Waterspreading	X
642	Water Well	X
643	Restoration of Rare or Declining Natural Communities	X
644	Wetland Wildlife Habitat Management	X
650	Windbreak/Shelterbelt Renovation	X
656	Constructed Wetland	X
657	Wetland Restoration	X
658	Wetland Creation	X
659	Wetland Enhancement	X
666	Forest Stand Improvement	X
910	TA Planning	X
911	TA Design	X
912	TA Application	X
913	TA Check-Out	X