



# Ranking Pool Report

**Ranking Pool:** CO FY24 RT16

**Program:** EQIP

**Pool Status:** Active

**States:** CO (Admin)

**Template:** EQIP General National Ranking Template - Amended October 2023

**Template Status:** Active

**Last Modified By:** Stacey Eskew

**Last Modified:** 12/12/2023  
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## Land Uses and Modifiers

Land Use	Grazed	Wildlife	Irrigated	Hayed	Drained	Organic	Water Feature	Protected	Urban	Aquaculture
Associated Ag Land	--	--	--	--	N/A	--	--	--	--	--
Crop	--	--	--	--	--	--	--	--	--	--
Farmstead	--	--	--	N/A	N/A	--	--	--	--	--
Forest	--	--	--	N/A	N/A	--	--	--	--	--
Pasture	--	--	--	--	--	--	--	--	--	--
Range	--	--	N/A	--	N/A	--	--	--	--	--

## Resource Concern Categories

Categories			
Category	Min %	Default %	Max %
Air quality emissions	0	1	100
Aquatic habitat	0	1	100
Concentrated erosion	0	1	100
Degraded plant condition	0	21	100
Field pesticide loss	0	1	100
Field sediment, nutrient and pathogen loss	0	16	100
Fire management	0	1	100
Inefficient energy use	0	2	100
Livestock production limitation	0	2	100
Pest pressure	0	1	100
Salt losses to water	0	1	100
Soil quality limitations	0	16	100
Source water depletion	0	2	100
Storage and handling of pollutants	0	1	100

## Categories

Category	Min %	Default %	Max %
Terrestrial habitat	0	16	100
Weather resilience	0	1	100
Wind and water erosion	0	16	100

## Air quality emissions

Resource Concern	Min %	Default %	Max %
Emissions of airborne reactive nitrogen	0	10	100
Emissions of greenhouse gases - GHGs	0	30	100
Emissions of ozone precursors	0	10	100
Emissions of particulate matter (PM) and PM precursors	0	40	100
Objectionable odor	0	10	100

## Aquatic habitat

Resource Concern	Min %	Default %	Max %
Aquatic habitat for fish and other organisms	0	50	100
Elevated water temperature	0	50	100

## Concentrated erosion

Resource Concern	Min %	Default %	Max %
Bank erosion from streams, shorelines or water conveyance channels	0	35	100
Classic gully erosion	0	30	100
Ephemeral gully erosion	0	35	100

## Degraded plant condition

Resource Concern	Min %	Default %	Max %
Plant productivity and health	0	40	100
Plant structure and composition	0	60	100

## Field pesticide loss

Resource Concern	Min %	Default %	Max %
Pesticides transported to groundwater	0	50	100
Pesticides transported to surface water	0	50	100

## Field sediment, nutrient and pathogen loss

Resource Concern	Min %	Default %	Max %
Nutrients transported to groundwater	0	20	100

## Field sediment, nutrient and pathogen loss

Resource Concern	Min %	Default %	Max %
Nutrients transported to surface water	0	20	100
Pathogens and chemicals from manure, biosolids or compost applications transported to groundwater	0	20	100
Pathogens and chemicals from manure, biosolids or compost applications transported to surface water	0	20	100
Sediment transported to surface water	0	20	100

## Fire management

Resource Concern	Min %	Default %	Max %
Wildfire hazard from biomass accumulation	0	100	100

## Inefficient energy use

Resource Concern	Min %	Default %	Max %
Energy efficiency of equipment and facilities	0	50	100
Energy efficiency of farming/ranching practices and field operations	0	50	100

## Livestock production limitation

Resource Concern	Min %	Default %	Max %
Feed and forage balance	0	50	100
Inadequate livestock shelter	0	15	100
Inadequate livestock water quantity, quality and distribution	0	35	100

## Pest pressure

Resource Concern	Min %	Default %	Max %
Plant pest pressure	0	100	100

## Salt losses to water

Resource Concern	Min %	Default %	Max %
Salts transported to groundwater	0	50	100
Salts transported to surface water	0	50	100

## Soil quality limitations

Resource Concern	Min %	Default %	Max %
Aggregate instability	0	20	100
Compaction	0	20	100
Concentration of salts or other chemicals	0	15	80
Organic matter depletion	0	25	100

## Soil quality limitations

Resource Concern	Min %	Default %	Max %
Soil organism habitat loss or degradation	0	20	100
Subsidence	0	--	100

## Source water depletion

Resource Concern	Min %	Default %	Max %
Groundwater depletion	0	45	90
Inefficient irrigation water use	0	45	90
Surface water depletion	0	10	90

## Storage and handling of pollutants

Resource Concern	Min %	Default %	Max %
Nutrients transported to groundwater	0	25	100
Nutrients transported to surface water	0	25	100
Petroleum, heavy metals and other pollutants transported to groundwater	0	25	100
Petroleum, heavy metals and other pollutants transported to surface water	0	25	100

## Terrestrial habitat

Resource Concern	Min %	Default %	Max %
Terrestrial habitat for wildlife and invertebrates	0	100	100

## Weather resilience

Resource Concern	Min %	Default %	Max %
Drifted snow	0	10	100
Naturally available moisture use	0	50	100
Ponding and flooding	0	20	100
Seasonal high water table	0	10	100
Seeps	0	10	100

## Wind and water erosion

Resource Concern	Min %	Default %	Max %
Sheet and rill erosion	0	50	100
Wind erosion	0	50	100

## Practices

Practice Name	Practice Code	Practice Type
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Practice Name	Practice Code	Practice Type
CNMP Design and Implementation Activity	101	Activities
Comprehensive Nutrient Management Plan	102	Activities
Forest Management Plan	106	Activities
Grazing Management Plan	110	Activities
Soil Health Management Plan	116	Activities
Agricultural Energy Design	120	Activities
Conservation Plan Supporting Organic Transition	138	Activities
Transition to Organic Design	140	Activities
Fish and Wildlife Habitat Design	144	Activities
Pollinator Habitat Design	148	Activities
Nutrient Management Design and Implementation Activity	157	Activities
Feed Management Design	158	Activities
Grazing Management Design	159	Activities
Prescribed Burning Design	160	Activities
Pest Management Conservation System Design	161	Activities
Soil Health Management System Design	162	Activities
Irrigation Water Management Design	163	Activities
Improved Management of Drainage Water Design	164	Activities
Forest Management Practice Design	165	Activities
Conservation Plan	199	Activities
Edge-of-Field Water Quality Monitoring-Data Collection and Evaluation	201	Activities
Edge-of-Field Water Quality Monitoring-System Installation	202	Activities
Site Assessment and Soil Testing for Contaminants Activity	207	Activities
PFAS Testing in Water or Soil	209	Activities
Soil Health Testing	216	Activities
Soil and Source Testing for Nutrient Management	217	Activities
Carbon Sequestration and Greenhouse Gas Mitigation Assessment	218	Activities
Soil Organic Carbon Stock Monitoring	221	Activities
Indigenous Stewardship Methods Evaluation	222	Activities
Forest Management Assessment	223	Activities
Aquifer Flow Test	224	Activities
Agricultural Energy Assessment	228	Activities
Agrichemical Handling Facility	309	Conservation Practices
Alley Cropping	311	Conservation Practices
Waste Storage Facility	313	Conservation Practices

<b>Practice Name</b>	<b>Practice Code</b>	<b>Practice Type</b>
Brush Management	314	Conservation Practices
Herbaceous Weed Treatment	315	Conservation Practices
Animal Mortality Facility	316	Conservation Practices
Composting Facility	317	Conservation Practices
Short Term Storage of Animal Waste and By-Products	318	Conservation Practices
On-Farm Secondary Containment Facility	319	Conservation Practices
Irrigation Canal or Lateral	320	Conservation Practices
Deep Tillage	324	Conservation Practices
High Tunnel System	325	Conservation Practices
Clearing and Snagging	326	Conservation Practices
Conservation Cover	327	Conservation Practices
Conservation Crop Rotation	328	Conservation Practices
Residue and Tillage Management, No Till	329	Conservation Practices
Contour Farming	330	Conservation Practices
Contour Orchard and Other Perennial Crops	331	Conservation Practices
Contour Buffer Strips	332	Conservation Practices
Amending Soil Properties with Gypsum Products	333	Conservation Practices
Controlled Traffic Farming	334	Conservation Practices
Soil Carbon Amendment	336	Conservation Practices
Prescribed Burning	338	Conservation Practices
Cover Crop	340	Conservation Practices
Critical Area Planting	342	Conservation Practices
Residue and Tillage Management, Reduced Till	345	Conservation Practices
Dam, Diversion	348	Conservation Practices
Sediment Basin	350	Conservation Practices
Well Decommissioning	351	Conservation Practices
Monitoring Well	353	Conservation Practices

<b>Practice Name</b>	<b>Practice Code</b>	<b>Practice Type</b>
Groundwater Testing	355	Conservation Practices
Dike and Levee	356	Conservation Practices
Waste Treatment Lagoon	359	Conservation Practices
Waste Facility Closure	360	Conservation Practices
Diversion	362	Conservation Practices
Anaerobic Digester	366	Conservation Practices
Roofs and Covers	367	Conservation Practices
Emergency Animal Mortality Management	368	Conservation Practices
Air Filtration and Scrubbing	371	Conservation Practices
Combustion System Improvement	372	Conservation Practices
Dust Control on Unpaved Roads and Surfaces	373	Conservation Practices
Energy Efficient Agricultural Operation	374	Conservation Practices
Dust Management for Pen Surfaces	375	Conservation Practices
Field Operations Emissions Reduction	376	Conservation Practices
Pond	378	Conservation Practices
Windbreak/Shelterbelt Establishment and Renovation	380	Conservation Practices
Silvopasture	381	Conservation Practices
Fence	382	Conservation Practices
Fuel Break	383	Conservation Practices
Woody Residue Treatment	384	Conservation Practices
Field Border	386	Conservation Practices
Irrigation Field Ditch	388	Conservation Practices
Riparian Herbaceous Cover	390	Conservation Practices
Riparian Forest Buffer	391	Conservation Practices
Filter Strip	393	Conservation Practices
Firebreak	394	Conservation Practices
Stream Habitat Improvement and Management	395	Conservation Practices

Practice Name	Practice Code	Practice Type
Aquatic Organism Passage	396	Conservation Practices
Fishpond Management	399	Conservation Practices
Dam	402	Conservation Practices
Grade Stabilization Structure	410	Conservation Practices
Grassed Waterway	412	Conservation Practices
Wildlife Habitat Planting	420	Conservation Practices
Irrigation Ditch Lining	428	Conservation Practices
Irrigation Water Conveyance, Ditch and Canal Lining, Plain Concrete	428A	Conservation Practices
Irrigation Water Conveyance, Ditch and Canal Lining, Flexible Membrane	428B	Conservation Practices
Irrigation Water Conveyance, Ditch and Canal Lining, Galvanized Steel	428C	Conservation Practices
Irrigation Pipeline	430	Conservation Practices
Irrigation Reservoir	436	Conservation Practices
Irrigation System, Microirrigation	441	Conservation Practices
Sprinkler System	442	Conservation Practices
Irrigation System, Surface and Subsurface	443	Conservation Practices
Irrigation Water Management	449	Conservation Practices
Anionic Polyacrylamide (PAM) Application	450	Conservation Practices
Land Clearing	460	Conservation Practices
Precision Land Forming and Smoothing	462	Conservation Practices
Irrigation Land Leveling	464	Conservation Practices
Lined Waterway or Outlet	468	Conservation Practices
Access Control	472	Conservation Practices
Mulching	484	Conservation Practices
Tree/Shrub Site Preparation	490	Conservation Practices
Obstruction Removal	500	Conservation Practices
Forage Harvest Management	511	Conservation Practices
Pasture and Hay Planting	512	Conservation Practices



Practice Name	Practice Code	Practice Type
Livestock Pipeline	516	Conservation Practices
Pond Sealing or Lining, Compacted Soil Treatment	520	Conservation Practices
Pond Sealing or Lining, Geomembrane or Geosynthetic Clay Liner	521	Conservation Practices
Pond Sealing or Lining, Flexible Membrane	521A	Conservation Practices
Pond Sealing or Lining, Soil Dispersant	521B	Conservation Practices
Pond Sealing or Lining, Bentonite Sealant	521C	Conservation Practices
Pond Sealing or Lining, Compacted Clay Treatment	521D	Conservation Practices
Pond Sealing or Lining - Concrete	522	Conservation Practices
Prescribed Grazing	528	Conservation Practices
Pumping Plant	533	Conservation Practices
Grazing Land Mechanical Treatment	548	Conservation Practices
Range Planting	550	Conservation Practices
Drainage Water Management	554	Conservation Practices
Roof Runoff Structure	558	Conservation Practices
Access Road	560	Conservation Practices
Heavy Use Area Protection	561	Conservation Practices
Stormwater Runoff Control	570	Conservation Practices
Spoil Disposal	572	Conservation Practices
Spring Development	574	Conservation Practices
Trails and Walkways	575	Conservation Practices
Livestock Shelter Structure	576	Conservation Practices
Stream Crossing	578	Conservation Practices
Streambank and Shoreline Protection	580	Conservation Practices
Open Channel	582	Conservation Practices
Channel Bed Stabilization	584	Conservation Practices
Stripcropping	585	Conservation Practices
Structure for Water Control	587	Conservation Practices


Practice Name	Practice Code	Practice Type
Nutrient Management	590	Conservation Practices
Amendments for Treatment of Agricultural Waste	591	Conservation Practices
Feed Management	592	Conservation Practices
Pest Management Conservation System	595	Conservation Practices
Terrace	600	Conservation Practices
Vegetative Barrier	601	Conservation Practices
Herbaceous Wind Barriers	603	Conservation Practices
Denitrifying Bioreactor	605	Conservation Practices
Subsurface Drain	606	Conservation Practices
Surface Drain, Field Ditch	607	Conservation Practices
Surface Drain, Main or Lateral	608	Conservation Practices
Surface Roughening	609	Conservation Practices
Salinity and Sodic Soil Management	610	Conservation Practices
Tree/Shrub Establishment	612	Conservation Practices
Watering Facility	614	Conservation Practices
Underground Outlet	620	Conservation Practices
Waste Treatment	629	Conservation Practices
Waste Separation Facility	632	Conservation Practices
Waste Recycling	633	Conservation Practices
Waste Transfer	634	Conservation Practices
Vegetated Treatment Area	635	Conservation Practices
Water and Sediment Control Basin	638	Conservation Practices
Water Well	642	Conservation Practices
Restoration of Rare or Declining Natural Communities	643	Conservation Practices
Wetland Wildlife Habitat Management	644	Conservation Practices
Upland Wildlife Habitat Management	645	Conservation Practices
Shallow Water Development and Management	646	Conservation Practices

Practice Name	Practice Code	Practice Type
Early Successional Habitat Development-Mgt	647	Conservation Practices
Structures for Wildlife	649	Conservation Practices
Forest Trails and Landings	655	Conservation Practices
Constructed Wetland	656	Conservation Practices
Wetland Restoration	657	Conservation Practices
Wetland Creation	658	Conservation Practices
Wetland Enhancement	659	Conservation Practices
Tree-Shrub Pruning	660	Conservation Practices
Forest Stand Improvement	666	Conservation Practices
Energy Efficient Lighting System	670	Conservation Practices
Energy Efficient Building Envelope	672	Conservation Practices
Raised Beds	812	Interim Conservation Practices
Low Tunnel Systems	821	Interim Conservation Practices
Organic Management	823	Interim Conservation Practices

## Ranking Weights

Factors	Algorithm	Allowable Min	Default	Allowable Max
Vulnerabilities	Default	10	20	40
Planned Practice Effects	Adjustment (D)	15	15	15
Resource Priorities	Default	20	50	60
Program Priorities	Default	5	5	15
Efficiencies	Default	10	10	10

## Display Group: CO FY24 RT16 (Active)

 An asterisk will be displayed to show that it is a conditional section or conditional question.

## Survey: Applicability Questions

**Section: Applicability**

Question	Answer Choices	Points
The majority of the plu's in the assessment are located in RT 16?	RT 16	--
	Otherwise	--

**Survey: Category Questions**

**Section: Category**

Question	Answer Choices	Points
The primary purpose of the project will address resource concerns on the following	Grazing land	--
	Forestry	--
	Irrigation	--
	Soil Health	--
	Urban Agriculture	--
	NA	--

**Survey: Program Questions**

**Section: Program Questions**

Question	Answer Choices	Points
Will the proposed project result in the implementation of all conservation practices scheduled on the NRCS CPA 1155 within three years, not to exceed July 2027?	YES	65
	NO	0
Does the application have CRP lands transitioning to EQIP that will	All transitioning CRP acres will maintain a permanent cover for the term of the EQIP contract.	75
	50-99% of the transitioning CRP acres will maintain a permanent cover for the term of the EQIP contract.	50
	25-49% of the transitioning EQIP acres will maintain a permanent cover for the term of the contract.	25
	Less than 25% of the transitioning CRP acres will be maintained in permanent cover.	10
	NA, no CRP acres are transitioning to EQIP	0
Has the applicant had a contract in any NRCS program terminated for reasons within their control in the last three years; OR does the applicant have an existing contract in any NRCS program that has been determined to be in noncompliance for reasons within their control, and is currently under an active NRCS-CPA-153; OR is NRCS aware that the applicant has failed to properly operate and maintain conservation practices or activities that were installed with program financial assistance and are still within their lifespan, even if the contract is expired?	YES	-200
	NO	0

## Survey: Resource Questions

Section: Grazing land*		
Question	Answer Choices	Points
Will the contracted practice(s) result in accelerated and/or vegetative measures that increase plant diversity (degraded plant condition) and/or control soil erosion (wind and water erosion, OR concentrated erosion) on or around waterbodies and riparian areas ?	Increase plant diversity	26
	Control soil erosion	41
	None of the above	0
Are off-stream watering facilities provided?	YES	40
	NO	0
Will the contracted practice(s) result in improved grazing distribution with the installation of cross-fences and implement a contracted 528 prescribed grazing plan?	YES	45
	NO	0
Will the participant address terrestrial habitat concerns in conjunction with prescribed grazing practices?	511 - Forage Harvest Management	12
	645 - Upland Wildlife Habitat Management	12
	643 - Restoration of Rare or Declining Natural Communities	12
	528 - Prescribed Grazing with wildlife considerations	12
	None of the above	0

Section: Irrigation*		
Question	Answer Choices	Points
Will routine soils tests be completed and nutrients applied per nutrient management plan based on LGU recommendations?	YES	39
	NO	0
Irrigation Water Management: What level of Irrigation Water Management (IWM) will be implemented through the contract?	Basic IWM	10
	Intermediate IWM	20
	Advanced IWM	39
	IWM will not be applied	0
Will a multi-species cover crop be added to the rotation?	YES	39
	NO	0
Soil Tillage Intensity: Will the contract include:	Conversion from existing tillage operations to a No-till system (329) on the contracted acres	39
	Conversion from existing tillage operations to a strip till system (329) on the contracted acres	30
	Conversion from existing tillage operations to a mulch till system (345) with no moldboard plowing on the contracted acres	10
	Not as above	0

**Section: Irrigation\***

Question	Answer Choices	Points
Will the irrigation efficiency improvement (FIRI) increase by:	> 40%	39
	>10% but less 40%	30
	<10%	10
	None as above	0
Is the applicant, or the Ag entity that sponsored the applicant, a participant/graduate of the Master Irrigator Program?	YES	5
	NO	0

**Section: Forestry\***

Question	Answer Choices	Points
Forest density objective: Is the proposed post-treatment overstory basal area less than or equal to 50 feet per acre?	YES	50
	NO	0
2. Forest composition objective: Post-treatment basal area will consist of:	Greater than 50% live ponderosa pine and/or aspen greater than 5 inch DBH average.	40
	Less than 50% live ponderosa pine and/or aspen greater than 5 inch DBH average.	0
	None of the above	0
3. Forest structure objective. The post-treatment overstory arrangement will consist of:	Evenly spaced trees, where tree less openings of varying size 0.1-2 acre and shape are absent.	0
	Groups and single trees intermingled with tree-less openings of varying size 0.1-2 acre and shape	40
	Meandering patch-cuts or clear-cuts (0.1 - 2 acre)	20
	None of the above	0
4. The project area is located in which of the following categories of the Colorado Forest Action Plan Composite Map?	a) Red/High Priority	40
	b) Orange/Med-High Priority	30
	c) Yellow/Medium Priority	20
	d) Green or Blue/Low Priority	0
	None of the above	0
5. Are practices planned that address List A, B, & C noxious weeds within the forest treatment units?	YES	30
	NO	0

**Section: Soil Health\***

Question	Answer Choices	Points
Will routine soils tests be completed and nutrients applied per nutrient management plan based on LGU recommendations? (CP 590)	YES	40
	NO	0
Will the contracted practice(s) result in improved grazing distribution with the installation of cross-fences and implement a contract 528 prescribed grazing plan?	YES	40
	NO	0

**Section: Soil Health\***

Question	Answer Choices	Points
Will a multi-species cover crop be added to the rotation? (CP 340)	YES	40
	NO	0
Will a more diversified crop rotation be implemented to reduce erosion and improve soil condition? (CP 328)	YES	40
	NO	0
Soil Tillage Intensity: Will the contract include:	Conversion from existing tillage operations to a No-till system (329) on the contracted acres	40
	Conversion from existing tillage operations to a strip till system (329) on the contracted acres	20
	Conversion from existing tillage operations to a mulch till system/reduced tillage (345) with no moldboard plowing on the contracted acres	5
	Not as above	0

**Section: Urban Agriculture\***

Question	Answer Choices	Points
Will a cover crop be added to the operation with this application?	YES	50
	NO	0
Will the participant implement a grazing plan plus a higher level of rotational grazing?	The participant will install forage utilization cages to make science-based decisions on rotational grazing and moving animals before a 3 inch stubble height?	50
	The participant will use Soil Web survey to make decisions on rotation grazing and moving animals before a 3 -inch stubble height?	30
	A grazing plan will be developed by rotational grazing according to moving animals before grazing below a 3- inch stubble height	20
	No grazing plan is needed for this property or participant is not willing to go to a higher level of rotational grazing	0
Will the participant install a higher efficiency irrigation system greater than >80% efficiency including pipeline or an effective distribution to the crop/pasture?	YES	50
	NO	0
How close to urban populations is the farm?	Is the land with .5 miles of a neighborhood development (30 plus houses) with less than an .5 acre on each property in the neighborhood and the farm is surrounded by neighbors	50
	Is the land within 1 miles of a neighborhood development?	30
	Is the land within 2 miles of a neighborhood development?	20
	Is the land within 3 miles of a neighborhood development?	0
	Not as above	0