

# USDA Ranking Pool Report

**Ranking Pool** CO FY25 Animal Waste Management

**Program** EQIP

**Pool Status** Draft

**Tags** ACT NOW

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

**Template Status** Active

**Existing Practice Included** No

**Last Modified By** Patrick Naranjo

**Last Modified** 11/26/2024

**National Pool** No

**Include States** CO (Admin)

## 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	5	100
Aquatic habitat	0	3	100
Concentrated erosion	0	3	100
Degraded plant condition	0	5	100
Field pesticide loss	0	5	100
Field sediment, nutrient and pathogen loss	0	15	100
Fire management	0	--	100
Inefficient energy use	0	2	100
Livestock production limitation	0	5	100
Pest pressure	0	2	100
Salt losses to water	0	--	100
Soil quality limitations	0	4	100

## Categories

Category	Min %	Default %	Max %
Source water depletion	0	10	100
Storage and handling of pollutants	0	35	100
Terrestrial habitat	0	2	100
Weather resilience	0	2	100
Wind and water erosion	0	2	100

## Air quality emissions

Resource Concern	Min %	Default %	Max %
Emissions of airborne reactive nitrogen	0	20	100
Emissions of greenhouse gases - GHGs	0	20	100
Emissions of ozone precursors	0	20	100
Emissions of particulate matter (PM) and PM precursors	0	20	100
Objectionable odor	0	20	100

## Aquatic habitat

Resource Concern	Min %	Default %	Max %
Aquatic habitat for fish and other organisms	0	70	100
Elevated water temperature	0	30	100

## Concentrated erosion

Resource Concern	Min %	Default %	Max %
Bank erosion from streams, shorelines or water conveyance channels	0	40	100
Classic gully erosion	0	40	100
Ephemeral gully erosion	0	20	100

## Degraded plant condition

Resource Concern	Min %	Default %	Max %
Plant productivity and health	0	50	100
Plant structure and composition	0	50	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
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	40	100
Inadequate livestock shelter	0	20	100
Inadequate livestock water quantity, quality and distribution	0	40	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	15	100
Compaction	0	25	100
Concentration of salts or other chemicals	0	15	80

## Soil quality limitations

Resource Concern	Min %	Default %	Max %
Organic matter depletion	0	25	100
Soil organism habitat loss or degradation	0	20	100

## Source water depletion

Resource Concern	Min %	Default %	Max %
Groundwater depletion	0	45	90
Inefficient irrigation water use	0	5	90
Surface water depletion	0	50	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	40	100
Naturally available moisture use	0	15	100
Ponding and flooding	0	15	100
Seasonal high water table	0	15	100
Seeps	0	15	100

## Wind and water erosion

Resource Concern	Min %	Default %	Max %
Sheet and rill erosion	0	75	100
Wind erosion	0	25	100

## Practices

Practice Name	Practice Code	Practice Narratives	Practice Type
Alley Cropping	311	00N	Conservation Practices
Waste Storage Facility	313	00N, 01N	Conservation Practices
Brush Management	314	00N, 03N	Conservation Practices
Animal Mortality Facility	316	00N, 01N, 02N, 03N	Conservation Practices
Composting Facility	317	00N, 01N, 03N	Conservation Practices
Irrigation Canal or Lateral	320	00N	Conservation Practices
Deep Tillage	324	00N	Conservation Practices
Clearing and Snagging	326	00N	Conservation Practices
Conservation Cover	327	00N-CRP-R, 01N, 00N	Conservation Practices
Conservation Crop Rotation	328	00N	Conservation Practices
Contour Farming	330	00N	Conservation Practices
Contour Orchard and Other Perennial Crops	331	00N	Conservation Practices
Contour Buffer Strips	332	00N-CRP-R, 00N	Conservation Practices
Prescribed Burning	338	01N, 00N	Conservation Practices
Cover Crop	340	00N, 01N	Conservation Practices
Critical Area Planting	342	00N-CRP-R, 00N	Conservation Practices
Dam, Diversion	348	00N	Conservation Practices
Sediment Basin	350	00N	Conservation Practices
Well Decommissioning	351	00N	Conservation Practices
Dike and Levee	356	00N-CRP-R, 00N	Conservation Practices
Waste Treatment Lagoon	359	00N	Conservation Practices
Waste Facility Closure	360	00N	Conservation Practices
Diversion	362	00N, 02N, 01N, 03N	Conservation Practices
Pond	378	00N	Conservation Practices
Windbreak/Shelterbelt Establishment and Renovation	380	00N-CRP-R, 00N	Conservation Practices
Fence	382	00N-CRP-R, 00N, 03N	Conservation Practices
Field Border	386	00N	Conservation Practices

Practice Name	Practice Code	Practice Narratives	Practice Type
Irrigation Field Ditch	388	00N	Conservation Practices
Riparian Herbaceous Cover	390	00N-CRP-R, 00N, 01N	Conservation Practices
Riparian Forest Buffer	391	00N-CRP-R, 00N	Conservation Practices
Filter Strip	393	00N-CRP-R, 00N, 01N	Conservation Practices
Firebreak	394	00N-CRP-R, 00N	Conservation Practices
Stream Habitat Improvement and Management	395	00N, 01N	Conservation Practices
Aquatic Organism Passage	396	00N	Conservation Practices
Aquaculture Pond	397	00N	Conservation Practices
Fish Raceway or Tank	398	00N	Conservation Practices
Fishpond Management	399	00N	Conservation Practices
Dam	402	00N	Conservation Practices
Grade Stabilization Structure	410	00N-CRP-R, 00N	Conservation Practices
Grassed Waterway	412	00N-CRP-R, 00N	Conservation Practices
Hedgerow Planting	422	00N, 01N, 02N	Conservation Practices
Hillside Ditch	423	00N	Conservation Practices
Dry Hydrant	432	00N	Conservation Practices
Irrigation Reservoir	436	00N	Conservation Practices
Irrigation System, Microirrigation	441	00N-CRP-R, 00N, 02N	Conservation Practices
Sprinkler System	442	00N, 02N, 03N, 04N	Conservation Practices
Irrigation System, Surface and Subsurface	443	00N, 02N	Conservation Practices
Irrigation and Drainage Tailwater Recovery	447	00N, 02N	Conservation Practices
Irrigation Water Management	449	00N, 03N	Conservation Practices
Anionic Polyacrylamide (PAM) Application	450	00N	Conservation Practices
Land Reclamation, Landslide Treatment	453	00N	Conservation Practices
Land Reclamation, Toxic Discharge Control	455	00N	Conservation Practices
Mine Shaft and Adit Closing	457	00N	Conservation Practices
Land Clearing	460	00N	Conservation Practices

Practice Name	Practice Code	Practice Narratives	Practice Type
Precision Land Forming and Smoothing	462	00N	Conservation Practices
Irrigation Land Leveling	464	00N	Conservation Practices
Land Smoothing	466	00N	Conservation Practices
Lined Waterway or Outlet	468	00N-CRP-R, 00N	Conservation Practices
Access Control	472	00N, 01N	Conservation Practices
Mulching	484	00N, 02N, 03N	Conservation Practices
Tree/Shrub Site Preparation	490	00N	Conservation Practices
Obstruction Removal	500	00N	Conservation Practices
Forage Harvest Management	511	00N	Conservation Practices
Pasture and Hay Planting	512	00N-CRP-R, 00N	Conservation Practices
Livestock Pipeline	516	00N	Conservation Practices
Pumping Plant	533	00N, 02N	Conservation Practices
Land Reclamation, Abandoned Mined Land	543	00N	Conservation Practices
Land Reclamation, Currently Mined Land	544	00N	Conservation Practices
Grazing Land Mechanical Treatment	548	00N	Conservation Practices
Range Planting	550	00N-CRP-R, 00N, 01N	Conservation Practices
Drainage Water Management	554	00N, 02N, 03N	Conservation Practices
Rock Wall Terrace	555	00N	Conservation Practices
Row Arrangement	557	00N	Conservation Practices
Roof Runoff Structure	558	00N, 01N	Conservation Practices
Access Road	560	00N	Conservation Practices
Heavy Use Area Protection	561	00N	Conservation Practices
Recreation Area Improvement	562	00N	Conservation Practices
Recreation Land Improvement and Protection	566	00N	Conservation Practices
Stormwater Runoff Control	570	00N	Conservation Practices
Spoil Disposal	572	00N	Conservation Practices
Spring Development	574	00N-CRP-R, 00N	Conservation Practices

Practice Name	Practice Code	Practice Narratives	Practice Type
Trails and Walkways	575	00N	Conservation Practices
Streambank and Shoreline Protection	580	00N	Conservation Practices
Open Channel	582	00N	Conservation Practices
Channel Bed Stabilization	584	00N	Conservation Practices
Stripcropping	585	00N	Conservation Practices
Structure for Water Control	587	00N-CRP-R, 00N	Conservation Practices
Nutrient Management	590	00N, 06N, 07N, 08N	Conservation Practices
Feed Management	592	01N, 02N, 00N, 03N	Conservation Practices
Pest Management Conservation System	595	00N, 01N, 02N, 03N, 04N	Conservation Practices
Terrace	600	00N	Conservation Practices
Vegetative Barrier	601	00N	Conservation Practices
Herbaceous Wind Barriers	603	00N	Conservation Practices
Subsurface Drain	606	00N-CRP-R, 00N	Conservation Practices
Surface Drain, Field Ditch	607	00N	Conservation Practices
Surface Drain, Main or Lateral	608	00N	Conservation Practices
Surface Roughening	609	00N	Conservation Practices
Tree/Shrub Establishment	612	00N-CRP-R, 00N, 01N	Conservation Practices
Watering Facility	614	00N-CRP-R, 00N	Conservation Practices
Underground Outlet	620	00N-CRP-R, 00N	Conservation Practices
Vertical Drain	630	00N	Conservation Practices
Waste Recycling	633	00N	Conservation Practices
Waste Transfer	634	00N	Conservation Practices
Vegetated Treatment Area	635	00N	Conservation Practices
Water Harvesting Catchment	636	00N	Conservation Practices
Water and Sediment Control Basin	638	00N-CRP-R, 00N	Conservation Practices
Waterspreading	640	00N	Conservation Practices
Water Well	642	00N-CRP-R, 00N	Conservation Practices



Practice Name	Practice Code	Practice Narratives	Practice Type
Restoration of Rare or Declining Natural Communities	643	00N, 00N-CRP-R, 01N, 02N	Conservation Practices
Wetland Wildlife Habitat Management	644	00N, 01N	Conservation Practices
Upland Wildlife Habitat Management	645	01N, 00N	Conservation Practices
Shallow Water Development and Management	646	00N-CRP-R, 00N	Conservation Practices
Early Successional Habitat Development-Mgt	647	00N-CRP-R, 00N	Conservation Practices
Windbreak/Shelterbelt Renovation	650	00N	Conservation Practices
Forest Trails and Landings	655	00N	Conservation Practices
Constructed Wetland	656	00N-CRP-R, 00N	Conservation Practices
Wetland Restoration	657	00N-CRP-R, 00N, 01N	Conservation Practices
Wetland Creation	658	00N-CRP-R, 00N	Conservation Practices
Wetland Enhancement	659	00N	Conservation Practices
Tree-Shrub Pruning	660	00N, 01N	Conservation Practices
Forest Stand Improvement	666	00N	Conservation Practices
Monitoring Well	353	00N	Conservation Practices
Anaerobic Digester	366	00N	Conservation Practices
Roofs and Covers	367	02N, 00N, 01N	Conservation Practices
Prescribed Grazing	528	00N, 02N	Conservation Practices
Stream Crossing	578	00N, 00N-CRP-R, 01N, 02N	Conservation Practices
Fuel Break	383	00N	Conservation Practices
Amendments for Treatment of Agricultural Waste	591	00N	Conservation Practices
Silvopasture	381	00N, 01N	Conservation Practices
Groundwater Testing	355	00N	Conservation Practices
Woody Residue Treatment	384	00N, 01N	Conservation Practices
Waste Separation Facility	632	00N	Conservation Practices
Waste Treatment	629	00N	Conservation Practices
Salinity and Sodic Soil Management	610	00N-CRP-R, 00N	Conservation Practices

Practice Name	Practice Code	Practice Narratives	Practice Type
Residue and Tillage Management, No Till	329	00N, 01N	Conservation Practices
Residue and Tillage Management, Reduced Till	345	00N	Conservation Practices
Forest Farming	379	01N, 00N	Conservation Practices
Sinkhole Treatment	527	00N	Conservation Practices
Agrichemical Handling Facility	309	00N	Conservation Practices
Crosswind Ridges	588	00N	Conservation Practices
Road/Trail/Landing Closure and Treatment	654	00N	Conservation Practices
Comprehensive Nutrient Management Plan	102	00N	Activities
Forest Management Plan	106	00N	Activities
Grazing Management Plan	110	00N	Activities
Conservation Plan Supporting Organic Transition	138	00N	Activities
Irrigation Ditch Lining	428	00N	Conservation Practices
Irrigation Pipeline	430	01N, 00N	Conservation Practices
Air Filtration and Scrubbing	371	00N, 01N, 02N, 03N, 04N, 05N	Conservation Practices
Combustion System Improvement	372	03N, 00N, 04N, 02N, 01N, 05N	Conservation Practices
Dust Control on Unpaved Roads and Surfaces	373	00N	Conservation Practices
Herbaceous Weed Treatment	315	00N, 01N	Conservation Practices
Dust Management for Pen Surfaces	375	00N, 01N, 02N	Conservation Practices
Energy Efficient Agricultural Operation	374	00N, 01N, 02N, 03N, 04N, 05N, 06N	Conservation Practices
Bivalve Aquaculture Gear and Biofouling Control	400	00N	Conservation Practices
Edge-of-Field Water Quality Monitoring-Data Collection and Evaluation	201	00N	Activities
Edge-of-Field Water Quality Monitoring-System Installation	202	00N	Activities
Energy Efficient Lighting System	670	01N, 00N, 02N, 03N	Conservation Practices
Energy Efficient Building Envelope	672	00N, 01N, 02N, 03N, 04N	Conservation Practices
Livestock Shelter Structure	576	01N, 00N	Conservation Practices
On-Farm Secondary Containment Facility	319	00N	Conservation Practices
Short Term Storage of Animal Waste and By-Products	318	00N	Conservation Practices
Structures for Wildlife	649	00N	Conservation Practices


Practice Name	Practice Code	Practice Narratives	Practice Type
Feral Swine Damage Assessment	297	00N	Activities
High Tunnel System	325	00N	Conservation Practices
Emergency Animal Mortality Management	368	02N, 03N, 00N, 01N	Conservation Practices
Denitrifying Bioreactor	605	00N, 02N	Conservation Practices
Amending Soil Properties with Gypsum Products	333	00N, 01N	Conservation Practices
Controlled Traffic Farming	334	00N	Conservation Practices
Field Operations Emissions Reduction	376	00N	Conservation Practices
Pond Sealing or Lining, Compacted Soil Treatment	520	02N, 03N, 00N, 01N	Conservation Practices
Pond Sealing or Lining - Concrete	522	00N, 02N, 03N, 01N	Conservation Practices
Saturated Buffer	604	00N, 02N	Conservation Practices
Wildlife Habitat Planting	420	00N	Conservation Practices
Pond Sealing or Lining, Geomembrane or Geosynthetic Clay Liner	521	02N, 00N, 01N	Conservation Practices
Wastewater Treatment – Milk House	627	00N	Conservation Practices
Soil Health Management Plan	116	00N	Activities
Soil Health Testing	216	00N	Activities
Cross Wind Trap Strips	589	00N-CRP-R, 00N	Conservation Practices
CNMP Design and Implementation Activity	101	00N	Activities
Agricultural Energy Design	120	00N	Activities
Nutrient Management Design and Implementation Activity	157	00N	Activities
Feed Management Design	158	00N	Activities
Grazing Management Design	159	00N	Activities
Prescribed Burning Design	160	00N	Activities
Pest Management Conservation System Design	161	00N	Activities
Soil Health Management System Design	162	00N	Activities
Irrigation Water Management Design	163	00N	Activities
Improved Management of Drainage Water Design	164	00N	Activities
Transition to Organic Design	140	00N	Activities
Fish and Wildlife Habitat Design	144	00N	Activities
Pollinator Habitat Design	148	00N	Activities
Forest Management Practice Design	165	00N	Activities
Agricultural Energy Assessment	228	00N	Activities
Conservation Plan	199	00N	Activities

Practice Name	Practice Code	Practice Narratives	Practice Type
Raised Beds	812	00N	Interim Conservation Practices
Site Assessment and Soil Testing for Contaminants Activity	207	00N	Activities
Soil and Source Testing for Nutrient Management	217	00N	Activities
Conservation Planning Activity	203	00N	Activities
Carbon Sequestration and Greenhouse Gas Mitigation Assessment	218	00N	Activities
Prescribed Grazing Conservation Evaluation and Monitoring Activity	219	00N	Activities
Low Tunnel Systems	821	00N	Interim Conservation Practices
Soil Organic Carbon Stock Monitoring	221	00N	Activities
Indigenous Stewardship Methods Evaluation	222	00N	Activities
Forest Management Assessment	223	00N	Activities
Aquifer Flow Test	224	00N	Activities
PFAS Testing in Water or Soil	209	00N	Activities
Waste Facility Site Suitability and Feasibility Assessment	226	00N	Activities
Evaluation of Existing Waste Storage Facility Components	227	00N	Activities
Nutrient Management Implementation Support	257	00N	Activities
Feed and Forage Analysis	206	00N	Activities

## 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 FY25 Animal Waste Management (Draft)

 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

## Section: Applicability

Question	Answer Choices	Points
Is the application for an Animal Waste system?	YES	--
	NO	--

## Survey: Category Questions

## Section: Category

Question	Answer Choices	Points
Is the application for an Animal Waste System?	YES	--
	NO	--

## Survey: Program Questions

## Section: Program Questions

Question	Answer Choices	Points
1. Will the practices in this contract treat resource concerns associated with relocating a confinement area to reduce/eliminate the threat of water pollution?	YES	60
	NO	0
2. Does this project include practices that will improve storage of animal waste?	YES	55
	NO	0
3. Does this project include practices that will improve treatment of animal waste?	YES	45
	NO	0
4. Does this project include practices that will improve collection and transport of animal waste?	YES	40
	NO	0
5. 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: Resource Questions

Question	Answer Choices	Points
1. Is the facility within a 100 year flood plain?	YES	47
	NO	0

## Section: Resource Questions

Question	Answer Choices	Points
2. Answer only ONE of the following questions, if applicable	The groundwater is less than 5 feet from the surface at the facility	46
	The groundwater is between 5 and 15 feet from the surface at the facility	23
	NA	0
3. Answer only ONE of the following questions, if applicable	The facility is between 1 and 100 feet from the nearest surface water	47
	The facility is between 101 and 500 feet from the nearest surface water	25
	NA	0
4. Will the proposed project improve water quality by:	a. Implementing the practices in a Comprehensive Nutrient Management Plan (CNMP)?	12
	b. Implementing the practices in a Nutrient Management Plan (NMP)?	12
	c. Reducing impacts from sediment, nutrients, salinity, or pesticides on land adjoining a designated impaired water body	12
	d. Reducing the impacts from sediment, nutrients, salinity, or pesticides in a non-impaired water body?	12
	e. Implementing practices that improve water quality through animal mortality and carcass management?	12
	NA	0

## Detailed Assessments

Name	Type	Jurisdiction	Status
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