



# Ranking Pool Report

**Ranking Pool:** CO FY24 Urban Ag

**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     | --      | --            | --        | x     | --          |
| Crop               | --     | --       | --        | --    | --      | --      | --            | --        | x     | --          |
| Farmstead          | --     | --       | --        | N/A   | N/A     | --      | --            | --        | x     | --          |
| Pasture            | --     | --       | --        | --    | --      | --      | --            | --        | x     | --          |
| Range              | --     | --       | N/A       | --    | N/A     | --      | --            | --        | x     | --          |

## Resource Concern Categories

| Categories                                 |       |           |       |
|--|-------|-----------|-------|
| Category                                   | Min % | Default % | Max % |
| Air quality emissions                      | 0     | 5         | 100   |
| Aquatic habitat                            | 0     | 2         | 100   |
| Concentrated erosion                       | 0     | 2         | 100   |
| Degraded plant condition                   | 0     | 10        | 100   |
| Field pesticide loss                       | 0     | 5         | 100   |
| Field sediment, nutrient and pathogen loss | 0     | 10        | 100   |
| Fire management                            | 0     | 5         | 100   |
| Inefficient energy use                     | 0     | 5         | 100   |
| Livestock production limitation            | 0     | 5         | 100   |
| Pest pressure                              | 0     | 10        | 100   |
| Salt losses to water                       | 0     | 2         | 100   |
| Soil quality limitations                   | 0     | 15        | 100   |
| Source water depletion                     | 0     | 2         | 100   |
| Storage and handling of pollutants         | 0     | 2         | 100   |
| Terrestrial habitat                        | 0     | 10        | 100   |

## Categories

| Category               | Min % | Default % | Max % |
|------------------------|-------|-----------|-------|
| Weather resilience     | 0     | 5         | 100   |
| Wind and water erosion | 0     | 5         | 100   |

## Air quality emissions

| Resource Concern                                       | Min % | Default % | Max % |
|--|-------|-----------|-------|
| Emissions of airborne reactive nitrogen                | 0     | 20        | 100   |
| Emissions of greenhouse gases - GHGs                   | 0     | 40        | 100   |
| Emissions of ozone precursors                          | 0     | 10        | 100   |
| Emissions of particulate matter (PM) and PM precursors | 0     | 10        | 100   |
| Objectionable odor                                     | 0     | 20        | 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     | 10        | 100   |
| Classic gully erosion  | 0     | 20        | 100   |
| Ephemeral gully erosion  | 0     | 70        | 100   |

## Degraded plant condition

| Resource Concern                | Min % | Default % | Max % |
|---------------------------------|-------|-----------|-------|
| Plant productivity and health   | 0     | 75        | 100   |
| Plant structure and composition | 0     | 25        | 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     | 30        | 100   |
| Nutrients transported to surface water | 0     | 10        | 100   |

## Field sediment, nutrient and pathogen loss

| Resource Concern  | Min % | Default % | Max % |
|---|-------|-----------|-------|
| Pathogens and chemicals from manure, biosolids or compost applications transported to groundwater   | 0     | 30        | 100   |
| Pathogens and chemicals from manure, biosolids or compost applications transported to surface water | 0     | 10        | 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     | 30        | 100   |
| Inadequate livestock shelter                                  | 0     | 30        | 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     | 30        | 100   |
| Compaction                                | 0     | 30        | 100   |
| Concentration of salts or other chemicals | 0     | 10        | 80    |
| Organic matter depletion                  | 0     | 20        | 100   |
| Soil organism habitat loss or degradation | 0     | 10        | 100   |

## Source water depletion

| Resource Concern                 | Min % | Default % | Max % |
|----------------------------------|-------|-----------|-------|
| Groundwater depletion            | 0     | 30        | 90    |
| Inefficient irrigation water use | 0     | 40        | 90    |
| Surface water depletion          | 0     | 30        | 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     | 20        | 100   |
| Naturally available moisture use | 0     | 20        | 100   |
| Ponding and flooding             | 0     | 20        | 100   |
| Seasonal high water table        | 0     | 20        | 100   |
| Seeps                            | 0     | 20        | 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 |
|---|---------------|---------------|
| 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    |

| Practice Name   | Practice Code | Practice Type          |
|---|---------------|------------------------|
| 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 |
| Brush Management  | 314           | Conservation Practices |
| Herbaceous Weed Treatment   | 315           | Conservation Practices |
| Animal Mortality Facility   | 316           | Conservation Practices |
| Composting Facility   | 317           | Conservation Practices |

| <b>Practice Name</b>                               | <b>Practice Code</b> | <b>Practice Type</b>   |
|--|----------------------|------------------------|
| 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 |
| Groundwater Testing                                | 355                  | Conservation Practices |
| Dike and Levee                                     | 356                  | Conservation Practices |
| Waste Treatment Lagoon                             | 359                  | Conservation Practices |
| Waste Facility Closure                             | 360                  | Conservation Practices |

| Practice Name                                      | Practice Code | Practice Type          |
|--|---------------|------------------------|
| 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 |
| Forest Farming                                     | 379           | 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 |
| Aquatic Organism Passage                           | 396           | Conservation Practices |
| Fishpond Management                                | 399           | Conservation Practices |
| Dam  | 402           | Conservation Practices |

| Practice Name  | Practice Code | Practice Type          |
|--|---------------|------------------------|
| 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 |
| 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 |



| Practice Name                                    | Practice Code | Practice Type          |
|--|---------------|------------------------|
| 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 |
| Nutrient Management                              | 590           | Conservation Practices |
| Amendments for Treatment of Agricultural Waste   | 591           | Conservation Practices |
| Feed Management                                  | 592           | Conservation Practices |

| Practice Name  | Practice Code | Practice Type          |
|--|---------------|------------------------|
| 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 |
| Vertical Drain                                       | 630           | 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 |
| Early Successional Habitat Development-Mgt           | 647           | Conservation Practices |
| Structures for Wildlife                              | 649           | Conservation Practices |

| Practice Name                      | Practice Code | Practice Type                  |
|------------------------------------|---------------|--------------------------------|
| 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 Urban Ag (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 |
| Is the project located in a landscape predominated by residential, commercial, or industrial use? | YES            | --     |
|   | NO             | --     |

## Survey: Category Questions

| Section: Category Question  |                |        |
|---|----------------|--------|
| Question  | Answer Choices | Points |
| Is the project located in a landscape predominated by residential, commercial, or industrial use? | YES            | --     |
|   | NO             | --     |

## Survey: Program Questions

| Section: Program Questions  |                |        |
|---|----------------|--------|
| Question  | Answer Choices | Points |
| 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             | 200    |

## Survey: Resource Questions

| Section: Resource Questions  |                |        |
|--|----------------|--------|
| Question   | Answer Choices | Points |
| 1. Will the participant implement a soil health management system (SHMS) that addresses the 5 principles of soil health?   | 4-5 Principles | 25     |
|  | 2-3 Principles | 15     |
|  | 1 Principle    | 5      |
|  | No Principle   | 0      |
| 2. Will the project result in increased habitat for pollinators?   | YES            | 25     |
|  | NO             | 0      |
| 3. Will the project utilize compost produced on site for all nutrient supplementation requirements? Or is domestic animal grazing or foraging incorporated into the system to increase nutrient cycling and provide for all nutrient required? | YES            | 15     |
|  | NO             | 0      |
| 4. Will the conservation project result in addressing resource concerns other than plant health and productivity?  | YES            | 10     |
|  | NO             | 0      |
| 5. Will the project provide an ag product direct to consumer within the community? (e.g. schools, non-profits, restaurants, local grocery store, local farmers market)?  | YES            | 10     |
|  | NO             | 0      |
| 6. Will the project provide agricultural products to areas that are considered Low Income/Low Access?  | YES            | 10     |
|  | NO             | 0      |

## Section: Resource Questions

| Question  | Answer Choices                      | Points |
|---|-------------------------------------|--------|
| 7. Does this project involve agricultural production in a county that is high priority using the Needs Times Potential Index? | Adams                               | 30     |
|   | El Paso, Pueblo, Arapaho, Jefferson | 20     |
|   | Denver, Larimer, Weld, Mesa         | 10     |
|   | Other Counties                      | 0      |
| 8. Will the producer implement a soil testing program on at least one land use enrolled?                                      | YES                                 | 10     |
|   | NO                                  | 0      |