



Ranking Pool Report

Ranking Pool: FY24 Team 7- Irrigated Crop

Program: EQIP

Pool Status: Active

States: NM (Admin)

Template: EQIP General National Ranking Template - Amended October 2023

Template Status: Active

Last Modified By: Margaret Gnann

Last Modified: 01/26/2024
4

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 | -- | -- | -- | -- | -- |
| Pasture | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Water | N/A | -- | N/A | N/A | N/A | -- | -- | -- | -- | -- |

Resource Concern Categories

| Categories | | | |
|--|-------|-----------|-------|
| Category | Min % | Default % | Max % |
| Air quality emissions | 0 | 2 | 100 |
| Aquatic habitat | 0 | 2 | 100 |
| Concentrated erosion | 0 | 3 | 100 |
| Degraded plant condition | 0 | 10 | 100 |
| Field pesticide loss | 0 | 2 | 100 |
| Field sediment, nutrient and pathogen loss | 0 | 2 | 100 |
| Inefficient energy use | 0 | 2 | 100 |
| Pest pressure | 0 | 2 | 100 |
| Salt losses to water | 0 | 2 | 100 |
| Soil quality limitations | 0 | 28 | 100 |
| Source water depletion | 0 | 35 | 100 |
| Storage and handling of pollutants | 0 | 2 | 100 |
| Terrestrial habitat | 0 | 4 | 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 | 5 | 100 |
| Emissions of greenhouse gases - GHGs | 0 | 5 | 100 |
| Emissions of ozone precursors | 0 | 5 | 100 |
| Emissions of particulate matter (PM) and PM precursors | 0 | 5 | 100 |
| Objectionable odor | 0 | 80 | 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 | 30 | 100 |
| Classic gully erosion | 0 | 35 | 100 |
| Ephemeral gully erosion | 0 | 35 | 100 |

Degraded plant condition

| Resource Concern | Min % | Default % | Max % |
|---------------------------------|-------|-----------|-------|
| Plant productivity and health | 0 | 95 | 100 |
| Plant structure and composition | 0 | 5 | 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 |

| 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 |

| 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 | 20 | 100 |
| Concentration of salts or other chemicals | 0 | 15 | 80 |
| Organic matter depletion | 0 | 20 | 100 |
| Soil organism habitat loss or degradation | 0 | 20 | 100 |
| Subsidence | 0 | 10 | 100 |

| Source water depletion | | | |
|----------------------------------|-------|-----------|-------|
| Resource Concern | Min % | Default % | Max % |
| Groundwater depletion | 0 | 5 | 90 |
| Inefficient irrigation water use | 0 | 90 | 90 |
| Surface water depletion | 0 | 5 | 90 |

| Storage and handling of pollutants | | | |
|---|-------|-----------|-------|
| Resource Concern | Min % | Default % | Max % |
| Nutrients transported to groundwater | 0 | 65 | 100 |
| Nutrients transported to surface water | 0 | 5 | 100 |
| Petroleum, heavy metals and other pollutants transported to groundwater | 0 | 25 | 100 |
| Petroleum, heavy metals and other pollutants transported to surface water | 0 | 5 | 100 |

| Terrestrial habitat | | | |
|---------------------|-------|-----------|-------|
| Resource Concern | Min % | Default % | Max % |

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 |
| 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 |

| Practice Name | Practice Code | Practice Type |
|---|----------------------|------------------------|
| 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 |
| Conservation Planning Activity | 203 | Activities |
| Feed and Forage Analysis | 206 | 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 |
| Prescribed Grazing Conservation Evaluation and Monitoring Activity | 219 | Activities |
| Soil Organic Carbon Stock Monitoring | 221 | Activities |
| Indigenous Stewardship Methods Evaluation | 222 | Activities |
| Forest Management Assessment | 223 | Activities |
| Aquifer Flow Test | 224 | Activities |
| Waste Facility Site Suitability and Feasibility Assessment | 226 | Activities |
| Evaluation of Existing Waste Storage Facility Components | 227 | Activities |
| Agricultural Energy Assessment | 228 | Activities |
| Nutrient Management Implementation Support | 257 | Activities |
| Feral Swine Damage Assessment | 297 | Activities |
| 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 |
| Short Term Storage of Animal Waste and By-Products | 318 | 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 |

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

| Practice Name | Practice Code | Practice Type |
|--|---------------|------------------------|
| 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 |
| Aquaculture Pond | 397 | Conservation Practices |
| Fish Raceway or Tank | 398 | 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 |
| Hedgerow Planting | 422 | Conservation Practices |
| Hillside Ditch | 423 | Conservation Practices |
| Irrigation Ditch Lining | 428 | Conservation Practices |

| Practice Name | Practice Code | Practice Type |
|--|---------------|------------------------|
| Irrigation Pipeline | 430 | Conservation Practices |
| Dry Hydrant | 432 | 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 and Drainage Tailwater Recovery | 447 | 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 |
| Land Smoothing | 466 | 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 |
| Prescribed Grazing | 528 | Conservation Practices |
| Pumping Plant | 533 | Conservation Practices |
| Grazing Land Mechanical Treatment | 548 | Conservation Practices |
| Range Planting | 550 | Conservation Practices |

| Practice Name | Practice Code | Practice Type |
|--|---------------|------------------------|
| Drainage Water Management | 554 | Conservation Practices |
| Row Arrangement | 557 | Conservation Practices |
| Roof Runoff Structure | 558 | Conservation Practices |
| Access Road | 560 | Conservation Practices |
| Heavy Use Area Protection | 561 | Conservation Practices |
| Recreation Area Improvement | 562 | Conservation Practices |
| Stormwater Runoff Control | 570 | Conservation Practices |
| Spoil Disposal | 572 | Conservation Practices |
| Spring Development | 574 | Conservation Practices |
| Trails and Walkways | 575 | 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 |
| Structure for Water Control | 587 | Conservation Practices |
| Cross Wind Trap Strips | 589 | Conservation Practices |
| 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 |
| Equitable Relief | 602 | 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 |


| Practice Name | Practice Code | Practice Type |
|--|----------------------|------------------------|
| 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 Harvesting Catchment | 636 | 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 |
| Windbreak/Shelterbelt Renovation | 650 | 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 |

| Practice Name | Practice Code | Practice Type |
|---------------------------------------|---------------|--------------------------------|
| Energy Efficient Lighting System | 670 | Conservation Practices |
| Energy Efficient Building Envelope | 672 | Conservation Practices |
| Annual Forages for Grazing Systems | 810 | Interim Conservation Practices |
| Raised Beds | 812 | Interim Conservation Practices |
| Low Tunnel Systems | 821 | Interim Conservation Practices |
| Organic Management | 823 | Interim Conservation Practices |
| Strategic Harvested Forage Management | 827 | Interim Conservation Practices |
| TA Planning | 910 | TSP Codes |
| TA Design | 911 | TSP Codes |
| TA Application | 912 | TSP Codes |
| TA Check-Out | 913 | TSP Codes |

Ranking Weights

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

Display Group: FY24 Team 7- Irrigated Crop (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 majority of the land in Team 7? | YES | -- |
| | NO | -- |

Survey: Category Questions

| Section: Category | | |
|---|----------------|--------|
| Question | Answer Choices | Points |
| If irrigation improvements are planned, do the land units meet the EQIP requirement for irrigated land? | YES | -- |
| | NO | -- |

Survey: Program Questions

| Section: Program | | |
|--|----------------|--------|
| Question | Answer Choices | Points |
| Has Applicant had a Farm Bill contract terminated due to circumstances within their control within the past three years? | YES | -100 |
| | NO | 0 |
| Does applicant agree to plan/implement an irrigated crop resource management system (RMS) plan? | YES | 105 |
| | NO | 0 |
| Does the proposed contract will include one or more practices which will protect/enhance habitat for an at-risk species (Federal, State or Tribal listed Threatened, Endangered or candidate species)? | YES | 95 |
| | NO | 0 |

Survey: Resource Questions

| Section: Resource | | |
|---|--|--------|
| Question | Answer Choices | Points |
| Choose the statement that best describes the proposed contract as it relates to addressing resource concern(s) with installation of a combination of irrigation system improvements and/or land management practices? | Increase irrigation efficiency by 1-5% using FIRI | 5 |
| | Increase irrigation efficiency 6-10% using FIRI | 10 |
| | Increase irrigation efficiency 11-15% using FIRI | 15 |
| | Increase irrigation efficiency 16-20% using FIRI | 25 |
| | Increase irrigation efficiency 21-25% using FIRI | 35 |
| | Increase irrigation efficiency 26-30% using FIRI | 45 |
| | Increase irrigation efficiency greater than 30% using FIRI | 50 |
| | none of the above | 0 |
| Will the proposed contract include a practice to address the priority resource concern Inefficient irrigation water use identified by the LWG? | YES | 46 |
| | NO | 0 |
| Will the proposed contract include a practice to address the priority resource concern Soil Quality Degradation identified by the LWG (such as cover crop or reduced tillage)? | YES | 36 |
| | NO | 0 |

Section: Resource

| Question | Answer Choices | Points |
|---|----------------|--------|
| Will the proposed contract include a practice to address the priority resource concern Degraded Plant Condition identified by the LWG (i.e. windbreak)? | YES | 26 |
| | NO | 0 |
| Will the proposed contract include a practice to address the priority resource concern Water Quality Degradation identified by the LWG (i.e. Nutrient Management, chemical valve, buffer strip)? | YES | 16 |
| | NO | 0 |
| Will the proposed contract address inadequate resource concern Terrestrial or Aquatic Habitat degradation? | YES | 10 |
| | NO | 0 |
| Will the proposed contract irrigation system be a practice conversion to a more efficient system (i.e. flood to sprinkler/drip) and not just replacing an existing system with the same practice (i.e. SDI micro irrigation to SDI micro irrigation)? | YES | 16 |
| | NO | 0 |