

# USDA Ranking Pool Report

**Ranking** CO FY25 ACT NOW Ogallala Aquifer Project  
**Pool** Area

**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	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
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
Conservation Crop Rotation	328	00N	Conservation Practices
Cover Crop	340	00N	Conservation Practices
Well Decommissioning	351	00N	Conservation Practices
Pasture and Hay Planting	512	00N, 00N-CRP-R	Conservation Practices
Range Planting	550	00N, 00N-CRP-R, 01N	Conservation Practices
Residue and Tillage Management, No Till	329	01N, 00N	Conservation Practices
Residue and Tillage Management, Reduced Till	345	00N	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 FY25 Act Now Ogallala Aquifer Project Area (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
Are the majority of the plu's located in the state of Colorado?	Yes, state of Colorado	--
	Otherwise	--

## Survey: Category Questions

Section: Category		
Question	Answer Choices	Points
Are the planned land units located in the Ogallala Aquifer Project Area?	YES	--
	NO	--

## Survey: Program Questions

Section: Program Questions		
Question	Answer Choices	Points
1. Is the applicant or the Ag entity that sponsored the applicant a participant/graduate of the Master Irrigator Program?	YES	40
	NO	0
2. Will an irrigation well be permanently retired from production using conservation practice 351 Water Well Decommissioning, or will this well be converted to a livestock/domestic well that meets the requirements of the Water Well Construction Rules and that is fitted with a sanitary well seal?	YES	160
	NO	0
3. 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. The irrigation well is located within the following priority area	South Fork	80
	Republican River	60
	Outside the South Fork or Republican River but within the Ogallala Project Area	40
	NA	0
2. The predominant water source to be retired is	Surface Water	35
	Ground Water	60
	Water Source will not be retired	0
3. Will the project include any of the following activities to treat the Naturally Available Moisture resource concern?	Incorporate cover crops with the purpose of improving soil moisture use efficiency	15
	Maintain a minimum of 60% residue cover on the soil surface throughout the year	15
	Leave stubble taller than 10 inches or plant a winter hardy cover crop to trap snow	15
	Conversion to No-Till will be implemented	15
	None of the above apply	0

## Detailed Assessments

Name	Type	Jurisdiction	Status
------	------	--------------	--------