



Ranking Pool Report

Ranking Pool: Utah Source Water Protection-FY24

Program: EQIP

Pool Status: Draft

States: UT (Admin)

Template: EQIP General National Ranking Template - Amended October 2023

Template Status: Active

Last Modified By: Davie Stokes

Last Modified: 11/06/2023
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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	--	--	--	--	--
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	10	100
Degraded plant condition	0	5	100
Field pesticide loss	0	7	100
Field sediment, nutrient and pathogen loss	0	20	100
Fire management	0	5	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	10	100
Source water depletion	0	15	100

Categories

Category	Min %	Default %	Max %
Storage and handling of pollutants	0	10	100
Terrestrial habitat	0	2	100
Weather resilience	0	2	100
Wind and water erosion	0	4	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	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	70	100
Classic gully erosion	0	15	100
Ephemeral gully erosion	0	15	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 %
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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	35	100
Inadequate livestock shelter	0	30	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

Soil quality limitations

Resource Concern	Min %	Default %	Max %
Organic matter depletion	0	20	100
Soil organism habitat loss or degradation	0	20	100
Subsidence	0	5	100

Source water depletion

Resource Concern	Min %	Default %	Max %
Groundwater depletion	0	45	90
Inefficient irrigation water use	0	10	90
Surface water depletion	0	45	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
Conservation Crop Rotation	328	Conservation Practices
Residue and Tillage Management, No Till	329	Conservation Practices
Cover Crop	340	Conservation Practices
Critical Area Planting	342	Conservation Practices
Residue and Tillage Management, Reduced Till	345	Conservation Practices
Windbreak/Shelterbelt Establishment and Renovation	380	Conservation Practices
Field Border	386	Conservation Practices
Riparian Herbaceous Cover	390	Conservation Practices
Riparian Forest Buffer	391	Conservation Practices
Filter Strip	393	Conservation Practices
Irrigation Water Management	449	Conservation Practices
Access Control	472	Conservation Practices
Streambank and Shoreline Protection	580	Conservation Practices
Pest Management Conservation System	595	Conservation Practices
Vegetated Treatment Area	635	Conservation Practices
Forest Stand Improvement	666	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: Utah Source Water Protection-FY24 (Draft)

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

Survey: Applicability Questions

Section: Utah Source Water Protection Applicability		
Question	Answer Choices	Points
Does this application intersect one of FY24 Source Water Protection?	Black Slough-Box Elder Creek	--
	Cedar Valley	--
	Corbett Creek-Weber River	--
	Cross Hollow	--
	First Salt Creek-Frontal Willard Bay	--
	Fourmile Creek	--
	Green Lake Spring	--
	High Creek	--
	Howard Slough-Frontal Farmington Bay	--
	Johnson Creek	--
	Kays Creek-Frontal Farmington Bay	--
	Lower Cub River	--
	Nebo Creek-Bear River	--
	Newton Creek	--
	Outlet Twelvemile Creek	--
	Quichapa Lake	--
	Saslt Creek Canyon-Coal Creek	--
	Spring Creek	--
	Summit Creek	--
	Upper Iron Springs Creek	--
West Layton Marshes-Frontal Farmington Bay	--	
Willow Creek-Bear River	--	
Otherwise	--	

Survey: Category Questions

Section: Utah NRCS Teams		
Question	Answer Choices	Points

Section: Utah NRCS Teams

Question	Answer Choices	Points
Utah NRCS Teams	Cache-Rich Team	--
	Northwest Team	--
	Weber River Team	--
	Middle Sevier - Fremont Basin	--
	Southwest Basin	--
	Otherwise	--

Survey: Program Questions

Section: Utah SWP program questions

Question	Answer Choices	Points
Is the project area adjacent to a 303d surface waterbody?	YES	30
	NO	0
Select the Source Water Protection Practices that are included in the application:	393 Filter Strip	5
	345 Residue Management - Reduced Till	5
	329 Residue Management - No-till	5
	328 Conservation Crop Rotation	5
	386 Field Border	5
	340 Cover Crop	5
	666 Forest Stand Improvement	5
	472 Access Control	5
	595 Pest Management Conservation System	5
	391 Riparian Forest Buffer	5
	342 Critical Area Planting	5
	390 Riparian Herbaceous Cover	5
	449 Irrigation Water Management	5
635 Vegetated Treatment Area	5	
None of the above	0	
Select the High Priority Practices that are included in the application:	666 Forest Stand Improvement	20
	472 Access Control	20
	580 Streambank and Shoreline Protection	20
	380 Windbreak and Shelterbelt Establishment	20
	None of the above	0

Survey: Resource Questions

Section: Utah SWP resource questions		
Question	Answer Choices	Points
Does the application address water quality?	YES	125
	NO	0
Does the application address water quantity?	YES	75
	NO	0