

# Ranking Pool Report

**Ranking Pool** High Tunnel FY 2025 Michigan

**Program** EQIP

**Pool Status** Active

**Tags**

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

**Template Status** Active

**Existing Practice Included** No

**Last Modified By** Justine Reid

**Last Modified** 02/18/2025

**National Pool** No

**Include States** MI (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	--	--	--	--	--
Pasture	--	--	--	--	--	--	--	--	--	--

## Resource Concern Categories

Categories			
Category	Min %	Default %	Max %
Air quality emissions	0	5	100
Aquatic habitat	0	8	100
Concentrated erosion	0	6	100
Degraded plant condition	0	6	100
Field pesticide loss	0	6	100
Field sediment, nutrient and pathogen loss	0	8	100
Fire management	0	4	100
Inefficient energy use	0	4	100
Livestock production limitation	0	5	100
Pest pressure	0	8	100
Salt losses to water	0	4	100
Soil quality limitations	0	8	100
Source water depletion	0	4	100
Storage and handling of pollutants	0	6	100

## Categories

Category	Min %	Default %	Max %
Terrestrial habitat	0	8	100
Weather resilience	0	4	100
Wind and water erosion	0	6	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	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	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

## Field sediment, nutrient and pathogen loss

Resource Concern	Min %	Default %	Max %
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	15	100
Compaction	0	20	100
Concentration of salts or other chemicals	0	15	80
Organic matter depletion	0	20	100

## Soil quality limitations

Resource Concern	Min %	Default %	Max %
Soil organism habitat loss or degradation	0	20	100
Subsidence	0	10	100

## Source water depletion

Resource Concern	Min %	Default %	Max %
Groundwater depletion	0	35	90
Inefficient irrigation water use	0	35	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 Narratives	Practice Type
Fish and Wildlife Habitat Design	144	00N	Activities
Pollinator Habitat Design	148	00N	Activities
Nutrient Management Design and Implementation Activity	157	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
Site Assessment and Soil Testing for Contaminants Activity	207	00N	Activities
Soil Health Testing	216	00N	Activities
Soil and Source Testing for Nutrient Management	217	00N	Activities
Carbon Sequestration and Greenhouse Gas Mitigation Assessment	218	00N	Activities
Soil Organic Carbon Stock Monitoring	221	00N	Activities
Nutrient Management Implementation Support	257	00N	Activities
High Tunnel System	325	00N	Conservation Practices
Conservation Cover	327	00N, 01N	Conservation Practices
Conservation Crop Rotation	328	00N	Conservation Practices
Residue and Tillage Management, No Till	329	00N, 01N	Conservation Practices
Amending Soil Properties with Gypsum Products	333	00N, 01N	Conservation Practices
Soil Carbon Amendment	336	00N, 01N, 02N	Conservation Practices
Cover Crop	340	00N, 01N	Conservation Practices
Critical Area Planting	342	00N	Conservation Practices
Residue and Tillage Management, Reduced Till	345	00N	Conservation Practices
Diversion	362	00N, 01N, 02N, 03N	Conservation Practices
Field Border	386	00N	Conservation Practices
Grassed Waterway	412	00N	Conservation Practices
Wildlife Habitat Planting	420	00N	Conservation Practices
Irrigation Pipeline	430	00N, 01N	Conservation Practices
Irrigation Reservoir	436	00N	Conservation Practices
Irrigation System, Microirrigation	441	00N, 02N	Conservation Practices
Irrigation Water Management	449	00N, 03N	Conservation Practices
Mulching	484	00N, 02N, 03N	Conservation Practices

Practice Name	Practice Code	Practice Narratives	Practice Type
Pumping Plant	533	00N, 02N	Conservation Practices
Roof Runoff Structure	558	00N, 01N	Conservation Practices
Stormwater Runoff Control	570	00N	Conservation Practices
Nutrient Management	590	00N, 06N, 07N, 08N	Conservation Practices
Pest Management Conservation System	595	00N, 01N, 02N, 03N, 04N	Conservation Practices
Underground Outlet	620	00N	Conservation Practices
Water Harvesting Catchment	636	00N	Conservation Practices
Low Tunnel Systems	821	00N	Interim Conservation Practices

## 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	50	60
Program Priorities	Default	5	15	15
Efficiencies	Default	10	10	10

## Display Group: High Tunnel FY 2025 Michigan (Active)

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

## Survey: Applicability Questions

Section: Applicability Questions		
Question	Answer Choices	Points
Does the application include a high tunnel?	YES	--
	NO	--

## Survey: Category Questions

Section: Category Questions		
Question	Answer Choices	Points

## Section: Category Questions

Question	Answer Choices	Points
Which area are the planned land units in?	Area 1	--
	Area 2	--
	Area 3	--
	Area 4	--

## Survey: Program Questions

## Section: Program Questions

Question	Answer Choices	Points
Are any of the planned land units within a Michigan Department of Environment, Great Lakes, and Energy (MDEGLE)-designated impaired watershed?	YES	10
	NO	0

## Survey: Resource Questions

## Section: Resource Questions

Question	Answer Choices	Points
Will the high tunnel system be installed in an area designated as a food desert (Low Income and Low Accessibility at 1 & 10), per the USDA-Economic Research Service (ERS) Food Access Research Atlas?	YES	50
	NO	0
Is the application for a producer who is:	currently marketing their products through local food systems (schools, restaurants, farmer's markets, road-side stands, Community-Supported Agriculture markets, etc) to provide communities with greater food security?	25
	planning to market their products through local food systems (schools, restaurants, farmer's markets, road-side stands, Community-Supporting Agriculture markets, etc) to provide communities with greater food security?	25
	otherwise	10
Does the application include a practice (such as Cover Crop - 340, Residue & Tillage Management - 329 or 345, Crop Rotation - 328) that will result in improvements to soil quality?	YES	25
	NO	0
Does the application include a practice to benefit pollinator habitat needs?	YES	10
	NO	0
The majority of the planned land units are in:	USDA-ARS Plant Hardiness Zone 7a	5
	USDA-ARS Plant Hardiness Zone 6a or 6b	10
	USDA-ARS Plant Hardiness Zone 5a or 5b	15
	USDA-ARS Plant Hardiness Zone 4a or 4b	20

# Detailed Assessments

Name	Type	Jurisdiction	Status
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