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## Ranking Tool Summary

### for FY2019 - EQIP 2019 Monarch Butterfly (Draft)

#### Description:

EQIP 2019. This ranking tool is to be used when ranking EQIP 2019 Monarch Butterfly applications.

#### Land Uses:

Associated Agriculture Land, Crop, Farmstead, Pasture

#### Efficiency Score:

Scoring Multiplier: 1310.000

Scoring Ranges and Results Text:

High: 100 - 70	Medium: 69 - 30	Low: 29 - 0
100-70	69-30	29-0

#### Optional Notes:

#### National Priorities:

Scoring Multiplier: 1.000

Scoring Ranges and Results Text:

High: 250 - 175	Medium: 174 - 100	Low: 99 - 0
250-175	174-100	99-0

#### Questions:

Number	Question	Points
1	a. Is the program application to support the development of a Conservation Activity Plan (CAP)? If answer is "Yes", do not answer any other national level questions. If answer is "No", proceed with evaluation to address the remaining questions in this section.	250
2	a. Implementing the practices in a Comprehensive Nutrient Management Plan (CNMP)?	15
2	b. Implementing the practices in a Nutrient Management Plan (NMP)?	10
2	c. Reducing impacts from sediment, nutrients, salinity, or pesticides on land adjoining a designated "impaired water body" (TMDL, 303d listed waterbody, or other State designation)?	10
2	d. Reducing the impacts from sediment, nutrients, salinity, or pesticides in a "non-impaired water body"?	10
2	e. Implementing practices that improve water quality through animal mortality and carcass management?	10
3	a. Implementing irrigation practices that reduce aquifer overdraft.	15
3	b. Implementing irrigation practices that reduce on-farm water use?	10
3	c. Implementing practices in an area where the applicant participates in a geographically established or watershed-wide project?	10
3	d. Implementing practices that reduce on-farm water use as a result of changing to crops with lower water consumptive use, the rotation of crops, or the modification of cultural operations?	10
4	a. Meeting on-farm regulatory requirements relating to air quality or proactively avoid the need for regulatory measures?	10
4	b. Implementing practices that reduce on-farm emissions of particulate matter (PM2.5,	10

	PM10)?	
4	c. Implementing practices that reduce on-farm generated greenhouse gases such as carbon dioxide (CO2), methane (CH4), and nitrous oxide (N2O)?	10
4	d. Implementing practices that increase on-farm carbon sequestration?	10
5	a. Reduce erosion to tolerable limits (Soil "T")?	10
5	b. Increasing organic matter and carbon content, and improving soil tilth and structure?	10
6	a. Implementing practices benefitting threatened and endangered, at-risk, candidate, or species of concern.	10
6	b. Implementing practices that retain wildlife and plant habitat on land exiting the Conservation Reserve Program (CRP) or other set-aside program?	10
6	c. Implementing practices benefitting honey bee populations or other pollinators?	10
6	d. Implementing land-based practices that improve habitat for aquatic wildlife?	10
7	a. Implementing practices that result in the management control of noxious or invasive plant species on non-cropland?	10
7	b. Implementing practice in an Integrated Pest Management Plan (IPM)?	10
8	a. Reducing on-farm energy consumption?	10
8	b. Implementing practice(s) identified in an approved AgEMP or energy audit, which meet ASABE S612 criteria?	10
9	a. Enhancement of existing conservation practice(s) or conservation systems already in place at the time the application is received?	10
	Total Points	500

**State Issues:**

Scoring Multiplier: 1.000

Scoring Ranges and Results Text:

High: 400 - 200	Medium: 199 - 100	Low: 99 - 0
400-200	199-100	99-0

**Questions:**

Sub-heading Number	Question Number	Question	Points
1		Based on the NRCS "Midwest Butterfly Habitat Ranking Index" map, the project area is located in the following priority areas (select only one):	
	1	a. High (highest priority per the map)	150
	1	b. Medium (2nd highest priority)	50
	1	c. Low (3rd highest priority)	25
2		National conservation practices in the project area include:	
	2	a. Planting mix includes two or more species of milkweed (Asclepias spp)	150
	2	b. Planting mix includes one species of milkweed	50
	2	c. Management of existing habitat will increase existing milkweed and floral resources	25
3		Proximity to existing monarch habitat (i.e., natural areas, CRP, prairies, or protected easements). Select only one:	
	3	a. Protected areas are located immediately adjacent to project area	100
	3	b. Protected areas are located within 0.5 miles of project area	50
	3	c. Nonprotected natural area is within 0.5 miles of project area	25
		Maximum Points: 400 Total Points	625

**Local Issues:**

Scoring Multiplier: 1.000

Scoring Ranges and Results Text:

High: 250 - 175	Medium: 174 - 100	Low: 99 - 0
250-175	174-100	99-0

Questions:

Sub-heading Number	Question Number	Question	Points
	1	Inadequate Habitat: Will at least one planned practice result in establishment of a monarch plot planted per every 40 acres of an offered non-forested planning unit within the offered tract to the recommended monarch seed mix (refer to the Native Pollinators Job Sheet (JSMO643Pollinator) and use seeding specification in the Monarch Information Sheet (IS-MO-643Monarch))?	150
	2	Inadequate Habitat: Will at least one planned practice be implemented within a 100 mile buffer area surrounding I-35, resulting in a Monarch WHEG score of >0.5 for the respective habitat? Reference the 'I35 100 mile buffer' shapefile.	65
	3	Inadequate Habitat: Will at least one planned practice be implemented on a natural community habitat (prairie, glade, or savanna) planning unit within the offered tract to create or restore monarch habitat, resulting in a Monarch WHEG score of >0.5 for the respective natural community habitats?	35
Maximum Points: 250    Total Points			250

**Selected Resource Concerns and Practices:**

Fish and Wildlife - Inadequate Habitat: Inadequate Habitat - Cover/Shelter

- Brush Management (314)
- Conservation Cover (327)
- Early Successional Habitat Development/M (647)
- Fence (382)
- Field Border (386)
- Firebreak (394)
- Herbaceous Weed Control (315)
- Prescribed Burning (338)
- Riparian Herbaceous Cover (390)

Fish and Wildlife - Inadequate Habitat: Inadequate Habitat - Food

- Conservation Cover (327)

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