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Ranking Tool Summary for FY2017 - Irrigation (Draft)

Description:

Land Uses:

Crop

Efficiency Score:

Scoring Multiplier: 1.000

Optional Notes:

National Priorities:

Scoring Multiplier: 1.000

Questions:

Number	Question	Points
1	a. Meet regulatory requirements relating to animal feeding operations, or proactively avoid the need for regulatory measures?	15
1	b. Reduce sediment, nutrients or pesticides from agricultural operations located within a field that adjoins a designated "impaired water body" (TMDL, 303d, etc.)?	15
1	c. Reduce sediment, nutrients or pesticides from agricultural operations located within a field that adjoins a "non-impaired water body"?	5
2	a. Decrease aquifer overdraft?	15
2	b. Conserve water from irrigation system improvements and saved water will be available for other beneficial uses?	10
2	c. Conserve water in an area where the applicant participates in a geographically established or watershed-wide project?	5
3	a. Meet on-farm regulatory requirements relating to air quality or proactively avoid the need for regulatory measures?	15
3	b. Reduce on-farm generated green house gases such as CO2 (Carbon Dioxide), CH4 (Methane), and N2O (Nitrous Oxide)?	15
3	c. Increase on-farm carbon sequestration?	5
4	a. Reduce erosion to tolerable limits (Soil "T")?	15
4	b. Improve soil tilth, organic matter, structure, health, etc.?	5
5	a. Benefit on-farm habitat associated with threatened and endangered, at-risk, candidate, or species of concern as identified in a State wildlife plan?	15
5	b. Help retain wildlife and plant habitat on land exiting the Conservation Reserve Program (CRP)?	10
6	a. Help manage or control noxious or invasive species on non-cropland?	10
6	b. Increase, or improve habitat to benefit pollinator or other targeted wildlife species?	10
6	c. Properly dispose of livestock carcasses?	5
6	d. Are identified in an Integrated Pest Management plan?	10
6	e. Are identified in a Nutrient Management plan?	10
6	f. Apply principles of adaptive nutrient management?	5
7	a. Reduce energy consumption on the agricultural operation?	15
7	b. Increase on-farm energy efficiency with practices and improvements identified in an approved energy audit equivalent to criteria required in Ag EMP?	10

7	c. Assist in implementing energy conservation measures that also reduce greenhouse gas emissions and other air pollutants?	10
8	a. Implementation of all conservation practices scheduled in the contract on the CPA-1155 within three years of date of obligation?	10
8	b. Improvement of existing conservation practices or conservation systems already in place at the time the application is accepted?	5
8	c. Implementation of practice(s) which will complete an existing conservation system or suite of practices?	5
Total Points		250

State Issues:

Scoring Multiplier: 1.000

Questions:

Sub-heading Number	Question Number	Question	Points
	5	Will the practice assist the producer in becoming compliant with State Law?	100
1		General Questions:	
	1	Does the application support a system associated with a High Tunnel or Waste Utilization?	100
	2	Is the applicant currently NOT using an irrigation system on any acreage?	100
	3	Will the practice being implemented diversify their agricultural operation?	40
	4	Will the practice being implemented reduce the current risk of applicant to loss through drought, excessive rainfall or other circumstances?	60
Maximum Points:			Total Points
			400

Local Issues:

Scoring Multiplier: 1.000

Questions:

Sub-heading Number	Question Number	Question	Points
	1	Is soil erosion on the land to be irrigated currently at the tolerable soil loss level T or below, with gullies controlled?	150
	2	Is the applicant going to implement a micro-irrigation system?	100
	3	Will the producer implement irrigation water management through this application?	75
	5	Will the proposed irrigation system be a center pivot irrigation system that includes an end gun?	-75
Maximum Points:			Total Points
			250

Selected Resource Concerns and Practices:

Insufficient Water: Inefficient Use of Irrigation Water

- Irrigation Pipeline (430)
- Irrigation Reservoir (436)
- Irrigation System, Microirrigation (441)
- Irrigation System, Sprinkler (442)
- Irrigation Water Management (449)
- Pumping Plant (533)
- Water Well (642)

Soil Erosion: Sheet and Rill Erosion
Critical Area Planting (342)
Heavy Use Area Protection (561)
Mulching (484)

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