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Ranking Tool Summary

for FY2017 - Comprehensive Watershed Conservation in Dairy and (Draft)

Description:

Land Uses:

Crop, Farmstead, Forest

Efficiency Score:

Scoring Multiplier: 0.900

Optional Notes:

National Priorities:

Scoring Multiplier: 1.000

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, PM10)?	10
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,	10

	or species of concern.	
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

Questions:

Sub-heading Number	Question Number	Question	Points
1		Choose no more than ONE of the following five questions: Answer using GIS layer.	
	1	Does the project occur in a Tier 1 priority area?	200
	2	Does the project occur in a Tier 2 priority area?	100
	3	Does the project occur in a Tier 3 priority area?	60
	4	Does the project occur in a Tier 4 priority area?	24
	5	Does the project occur in a Tier 5 priority area?	16
Maximum Points:			Total Points
			400

Local Issues:

Scoring Multiplier: 1.000

Questions:

Sub-heading Number	Question Number	Question	Points
	2	Does the project include a riparian forest buffer between 35 and 50 feet wide?	63
1		Choose no more than ONE of the following two questions:	
	1	Does the project include a riparian forest buffer greater than 50 feet?	187
Maximum Points:			Total Points
			250

Selected Resource Concerns and Practices:

- Fish and Wildlife - Inadequate Habitat: Inadequate Habitat - Cover/Shelter
- Aquatic Organism Passage (396)
- Brush Management (314)
- Channel Bed Stabilization (584)
- Early Successional Habitat Development/M (647)
- Forest Trails and Landings (655)
- Herbaceous Weed Control (315)

- Restoration and Management of Rare and D (643)
- Stream Habitat Improvement and Managemen (395)
- Structures for Wildlife (649)
- Tree/Shrub Establishment (612)
- Wetland Creation (658)
- Wetland Enhancement (659)
- Wetland Restoration (657)
- Wetland Wildlife Habitat Management (644)
- Fish and Wildlife - Inadequate Habitat: Inadequate Habitat - Food
 - Aquatic Organism Passage (396)
 - Brush Management (314)
 - Channel Bed Stabilization (584)
 - Early Successional Habitat Development/M (647)
 - Forest Trails and Landings (655)
 - Herbaceous Weed Control (315)
 - Restoration and Management of Rare and D (643)
 - Stream Habitat Improvement and Managemen (395)
 - Structures for Wildlife (649)
 - Tree/Shrub Establishment (612)
 - Wetland Creation (658)
 - Wetland Enhancement (659)
 - Wetland Restoration (657)
 - Wetland Wildlife Habitat Management (644)
- Fish and Wildlife - Inadequate Habitat: Inadequate Habitat - Habitat Continuity (Space)
 - Aquatic Organism Passage (396)
 - Brush Management (314)
 - Channel Bed Stabilization (584)
 - Early Successional Habitat Development/M (647)
 - Herbaceous Weed Control (315)
 - Restoration and Management of Rare and D (643)
 - Stream Habitat Improvement and Managemen (395)
 - Tree/Shrub Establishment (612)
 - Wetland Creation (658)
 - Wetland Enhancement (659)
 - Wetland Restoration (657)
 - Wetland Wildlife Habitat Management (644)
- Fish and Wildlife - Inadequate Habitat: Inadequate Habitat - Water
 - Aquatic Organism Passage (396)
 - Brush Management (314)
 - Channel Bed Stabilization (584)
 - Restoration and Management of Rare and D (643)
 - Stream Habitat Improvement and Managemen (395)
 - Water Well (642)
 - Wetland Creation (658)
 - Wetland Enhancement (659)
 - Wetland Restoration (657)
 - Wetland Wildlife Habitat Management (644)
- Livestock Production Limitation: Inadequate Water
 - LIvestock Pipeline (516)
 - Pumping Plant (533)
 - Spring Development (574)
 - Water Well (642)
 - Watering Facility (614)
- Soil Erosion: Classic Gully Erosion
 - Animal Trails and Walkways (575)
 - Lined Waterway or Outlet (468)
 - Tree/Shrub Site Preparation (490)
- Soil Erosion: Ephemeral Gully Erosion
 - Animal Trails and Walkways (575)
 - Lined Waterway or Outlet (468)
 - Tree/Shrub Site Preparation (490)

Woody Residue Treatment (384)
Soil Erosion: Sheet and Rill Erosion
Woody Residue Treatment (384)
Water Quality Degradation: Elevated Water Temperature
Access Control (472)
Constructed Wetland (656)
Filter Strip (393)
Forest Management Plan - Written (106)
Nutrient Management (590)
Pond Sealing or Lining, Flexible Membran (521A)
Riparian Forest Buffer (391)
Riparian Herbaceous Cover (390)
Water Quality Degradation: Excess Pathogens and Chemicals from Manure, Bio-solids or Compost
Applications in Groundwater
Access Control (472)
Compre Nutrient Mgmt Plan - Written (102)
Conservation Cover (327)
Constructed Wetland (656)
Cover Crop (340)
Feed Management (592)
Fence (382)
Filter Strip (393)
Forest Management Plan - Written (106)
Manure Transfer (634)
Nutrient Management (590)
Obstruction Removal (500)
Pond Sealing or Lining, Flexible Membran (521A)
Prescribed Grazing (528)
Pumping Plant (533)
Riparian Forest Buffer (391)
Riparian Herbaceous Cover (390)
Roofs and Covers (367)
Solid/Liquid Waste Separation Facility (632)
Water Quality Degradation: Excess Pathogens and Chemicals from Manure, Bio-solids or Compost
Applications in Surface Water
Access Control (472)
Compre Nutrient Mgmt Plan - Written (102)
Conservation Cover (327)
Constructed Wetland (656)
Contour Buffer Strips (332)
Cover Crop (340)
Feed Management (592)
Fence (382)
Field Border (386)
Filter Strip (393)
Forage and Biomass Planting (512)
Forest Management Plan - Written (106)
Grassed Waterway (412)
Heavy Use Area Protection (561)
Hedgerow Planting (422)
Manure Transfer (634)
Mulching (484)
Nutrient Management (590)
Obstruction Removal (500)
Prescribed Grazing (528)
Pumping Plant (533)
Residue Mgmt, Reduced Till (345)
Residue Mgmt-No-Till (329)
Riparian Forest Buffer (391)
Riparian Herbaceous Cover (390)
Road/Trail/Landing Closure and Treatment (654)

- Roof Runoff Structure (558)
- Roofs and Covers (367)
- Shallow Water Development and Management (646)
- Solid/Liquid Waste Separation Facility (632)
- Water Quality Degradation: Excessive Sediment in Surface Water
 - Access Control (472)
 - Constructed Wetland (656)
 - Diversion (362)
 - Drainage Water Management (554)
 - Filter Strip (393)
 - Forage and Biomass Planting (512)
 - Forest Management Plan - Written (106)
 - Grassed Waterway (412)
 - Mulching (484)
 - Nutrient Management (590)
 - Obstruction Removal (500)
- Water Quality Degradation: Nutrients in Groundwater
 - Access Control (472)
 - Conservation Cover (327)
 - Conservation Crop Rotation (328)
 - Constructed Wetland (656)
 - Cover Crop (340)
 - Critical Area Planting (342)
 - Feed Management (592)
 - Fence (382)
 - Field Border (386)
 - Filter Strip (393)
 - Forest Management Plan - Written (106)
 - Forest Stand Improvement (666)
 - Heavy Use Area Protection (561)
 - Hedgerow Planting (422)
 - Manure Transfer (634)
 - Nutrient Management (590)
 - Obstruction Removal (500)
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 - Grassed Waterway (412)
 - Heavy Use Area Protection (561)
 - Hedgerow Planting (422)
 - Manure Transfer (634)

- Mulching (484)
- Nutrient Management (590)
- Obstruction Removal (500)
- Pond Sealing or Lining, Flexible Membran (521A)
- Prescribed Grazing (528)
- Pumping Plant (533)
- Residue Mgmt, Reduced Till (345)
- Residue Mgmt-No-Till (329)
- Riparian Forest Buffer (391)
- Riparian Herbaceous Cover (390)
- Road/Trail/Landing Closure and Treatment (654)
- Roof Runoff Structure (558)
- Roofs and Covers (367)
- Sediment Basin (350)
- Shallow Water Development and Management (646)
- Solid/Liquid Waste Separation Facility (632)
- Water Quality Degradation: Pesticides in Groundwater
 - Integrated Pest Management (595)
 - Obstruction Removal (500)
 - Riparian Forest Buffer (391)
 - Riparian Herbaceous Cover (390)
- Water Quality Degradation: Pesticides in Surface Water
 - Integrated Pest Management (595)
 - Mulching (484)
 - Obstruction Removal (500)
 - Residue Mgmt, Reduced Till (345)
 - Residue Mgmt-No-Till (329)
 - Riparian Forest Buffer (391)
 - Riparian Herbaceous Cover (390)
 - Sediment Basin (350)
- Water Quality Degradation: Petroleum, Heavy Metals and Other Pollutants Transported to Groundwater
 - Riparian Forest Buffer (391)
 - Riparian Herbaceous Cover (390)
- Water Quality Degradation: Petroleum, Heavy Metals and Other Pollutants Transported to Surface Water
 - Riparian Forest Buffer (391)
 - Riparian Herbaceous Cover (390)
 - Spoil Spreading (572)

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