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Ranking Tool Summary for FY2012 - Livestock in Confinement

Description:

This ranking tool is to be used to score applications with Animal Waste Issues where livestock are in confinement.

Land Uses:

Crop, Hay, Headquarters, Pasture, Wildlife

Efficiency Score:

Scoring Multiplier: 100.000

Scoring Ranges and Results Text:

High: 100 - 75

Medium: 74 - 50

Low: 49 - 0

The conservation practices that will be established in the proposed contract are in the high point score range	The conservation practices that will be established in the proposed contract are in the medium point score range	The conservation practices that will be established in the proposed contract are in the low point score range
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Optional Notes:

National Priorities:

Scoring Multiplier: 1.000

Scoring Ranges and Results Text:

High: 250 - 175

Medium: 174 - 90

Low: 89 - 0

The application is in the high point score range for addressing national priorities	The application is in the medium point score range for addressing national priorities	The application is in the low point score range for addressing national priorities
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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?	10
1	c. Reduce sediment, nutrients or pesticides from agricultural operations located within a field that adjoins a water body?	5
2	a. Increase groundwater recharge in identified groundwater depletion areas (http://water.usgs.gov/ogw/rasa/html/TOC.html)?	15
2	b. Conserve water from irrigation system improvements and result in estimated water savings of at least 5% 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 regulatory requirements relating to air quality or proactively avoid the need for regulatory measures?	15
3	b. Reduce green house gases such as methane, nitrous oxide, and volatile organic compounds (VOC)?	15
3	c. Increase carbon sequestration?	5
4	a. Reduce erosion to tolerable limits (Soil "T")?	15

5	a. Benefit threatened and endangered, at-risk, candidate, or species of concern as identified in a State wildlife plan?	15
5	b. Retain wildlife and plant benefits on land exiting the Conservation Reserve Program (CRP)?	15
6	a. Eradicate or control noxious or invasive species?	10
6	b. Increase, improve or establish pollinator habitat?	10
6	c. Implement precision agricultural methods?	10
6	d. Properly dispose of animal carcasses?	5
6	e. Implement an Integrated Pest Management plan?	5
7	a. Reduce energy consumption on the agricultural operation?	15
7	b. Increase on-farm energy efficiency with more efficient equipment?	10
7	c. Assist in implementing energy conservation measures that reduce emissions from GHGs and air pollutants?	10
8	a. Implementation of all planned conservation practices within three years of contract obligation?	10
8	b. Improvement of existing conservation practices or conservation systems already in place at the time the application is accepted, or will complete an existing conservation system?	10
9	a. If the applicant has an existing EQIP contract, has it been, and is it now, on schedule and in full compliance?	5
9	b. Did the applicant successfully complete any past contract(s) in full compliance?	5
9	c. Is this the applicant's first EQIP application?	5
Total Points		250

State Issues:

Scoring Multiplier: 1.000

Scoring Ranges and Results Text:

High: 400 - 300	Medium: 299 - 200	Low: 199 - 0
The application is in the high point score range for addressing state resource concerns	The application is in the medium point score range for addressing state resource concerns	The application is in the low point score range for addressing state resource concerns

Questions:

Sub-heading Number	Question Number	Question	Points
1		The proposed contract includes priority practices - Pick only one answer that applies	
	1	A. Includes implementation of 3 or more priority conservation practices	25
	2	B. Includes implementation of 2 priority conservation practices	15
	3	C. Includes implementation of 1 priority conservation practice	5
2		Conservation Planning - Pick only the choices that apply to the application	
	1	A Comprehensive Nutrient Management Plan (CNMP) has been completed for the current operation prior to the EQIP application cut-off date. The CNMP has been signed and dated by the applicant and certified planner	50
	2	A Conservation Plan has been developed prior to the EQIP application cut-off date. The Conservation Plan addresses the resource concerns and land contained in the proposed contract. The Conservation Plan is signed and dated by the applicant and certified conservation planner.	40
	3	The operation has a current Virginia Certified Nutrient Management Plan (NMP) developed prior to the EQIP application cut-off date. The NMP is for all acres that will receive animal waste.	20
3		Water Quality Resource Issues: (Select all that apply)	

	1	The proposed contract includes at least one structural conservation practice (Codes 313, 359, 365) which results in the storage and proper application of nutrients from animal manures produced on the farm	30
	2	The proposed contract includes Nutrient Management, Code 590 which will result in proper management of livestock manures in order to reduce adverse impacts on surface and/or groundwater	20
	3	The proposed contract includes Animal Mortality Facility, Code 316 which will result in the proper disposal and management of animal carcasses in order to reduce adverse impacts on surface and/or groundwater	30
	4	The proposed contract will treat the manure or contaminated run-off from a concentrated livestock area that is draining to a water feature or active sinkhole within 100 feet of the concentrated livestock area	60
	5	The proposed contract will treat the manure or contaminated run-off from a concentrated livestock area that is draining to a water feature or active sinkhole 101 to 300 feet of the concentrated livestock area	40
	6	A Waste Transfer System, Code 634 will be established to properly irrigate livestock manure nutrients onto agricultural lands	10
	7	The proposed contract includes Heavy Use Area Protection, Code 561 where a Virginia Risk Assessment has been completed and determined a potential water quality issue may be caused by livestock manures or poultry litter	20
	8	The proposed contract will exclude livestock from all water features that are located within or directly adjacent to the concentrated livestock area	40
	8	The Water Quality Vulnerability GIS layer is High (Red) within the boundary of field(s) treated in the proposed contract	15
	9	The Water Quality Vulnerability GIS layer is Medium (Yellow) within the boundary of field(s) treated in the proposed contract	5
4	Air Quality Resource Issues: (Select all that apply)		
	1	The proposed contract includes Amendment for Treatment of Animal Waste, Code 591 in order to reduce emission of greenhouse gases to the air	10
	2	The proposed contract includes Windbreak Establishment, Code 380 in order to control odors	5
		Maximum Points:	Total Points
			440

Local Issues:

Scoring Multiplier: 1.000

Scoring Ranges and Results Text:

High: 250 - 200	Medium: 199 - 100	Low: 99 - 0
The application is in the high point score range for addressing local resource concerns	The application is in the medium point score range for addressing local resource concerns	The application is in the low point score range for addressing local resource concerns

Questions:

Sub-heading Number	Question Number	Question	Points
1		Select all that apply to the application	
	1	The applicant has had an EQIP or CBWI contract terminated within the past 3 years	-100
	2	The proposed contract would be the applicants first CBWI or EQIP contract	30
	3	The area being considered for an EQIP contract is within an impaired watershed shown on the "Impaired Waters of Virginia" Toolkit GIS layer	50
	4	The proposed EQIP contract includes a minimum 35 foot buffer that will limit impacts to streams containing a listed aquatic species on the Toolkit T&E Aquatic Species GIS layer	50

	5	The proposed contract will establish the highest locally ranked practice Waste Storage Facility, Code 313	50
	6	The proposed contract will establish the third highest locally ranked practice Nutrient Management, Code 590	40
	7	The proposed contract will establish the second highest locally ranked practice Heavy Use Area Protection, Code 561 where a risk assessment has shown a water quality issue caused by livestock manure or poultry litter contamination	30
		Maximum Points:	Total Points
			150

Selected Resource Concerns and Practices:

Air Quality: Excessive Greenhouse Gas - CO2 (carbon dioxide)

- Amendments for Treatment of Ag Waste (591)
- Anaerobic Digester, Controlled Temp. (366)
- Conservation Cover (327)
- Conservation Crop Rotation (328)
- Cover Crop (340)
- Critical Area Planting (342)
- Field Border (386)
- Filter Strip (393)
- Grassed Waterway (412)
- Nutrient Management (590)
- Pasture and Hay Planting (512)
- Residue Mgmt, Mulch Till (345)
- Residue Mgmt-No-Till/Strip Till/Direct S (329)
- Riparian Forest Buffer (391)
- Riparian Herbaceous Cover (390)
- Tree/Shrub Establishment (612)
- Vegetated Treatment Area (635)
- Waste Treatment Lagoon (359)
- Windbreak/Shelterbelt Establishment (380)

Air Quality: Excessive Greenhouse Gas - N2O (nitrous oxide)

- Amendments for Treatment of Ag Waste (591)
- Anaerobic Digester, Controlled Temp. (366)
- Cover Crop (340)
- Nutrient Management (590)
- Waste Treatment Lagoon (359)

Air Quality: Objectionable Odors

- Amendments for Treatment of Ag Waste (591)
- Anaerobic Digester, Controlled Temp. (366)
- Animal Mortality Facility (316)
- Closure of Waste Impoundment (360)
- Composting Facility (317)
- Nutrient Management (590)
- Residue Mgmt, Mulch Till (345)
- Residue Mgmt-No-Till/Strip Till/Direct S (329)
- Riparian Forest Buffer (391)
- Roofs and Covers (367)
- Tree/Shrub Establishment (612)
- Vegetated Treatment Area (635)
- Windbreak/Shelterbelt Establishment (380)

Domestic Animals: Inadequate Quantities and Quality of Feed and Forage

- Access Control (472)
- Conservation Crop Rotation (328)
- Filter Strip (393)
- Grassed Waterway (412)
- Nutrient Management (590)
- Pasture and Hay Planting (512)

Residue Mgmt, Mulch Till (345)
 Residue Mgmt-No-Till/Strip Till/Direct S (329)
 Riparian Forest Buffer (391)
 Riparian Herbaceous Cover (390)
 Stream Crossing (578)
 Tree/Shrub Establishment (612)
 Water Well (642)
 Watering Facility (614)
 Windbreak/Shelterbelt Establishment (380)
 Energy: Inefficient Energy Use – Farming / Ranching Practices and Field Operations
 Composting Facility (317)
 Conservation Cover (327)
 Conservation Crop Rotation (328)
 Cover Crop (340)
 Grassed Waterway (412)
 Pumping Plant (533)
 Residue Mgmt, Mulch Till (345)
 Residue Mgmt-No-Till/Strip Till/Direct S (329)
 Roofs and Covers (367)
 Terrace (600)
 Tree/Shrub Establishment (612)
 Waste Treatment Lagoon (359)
 Windbreak/Shelterbelt Establishment (380)
 Fish and Wildlife: Inadequate Cover/Shelter
 Conservation Cover (327)
 Fence (382)
 Field Border (386)
 Riparian Forest Buffer (391)
 Riparian Herbaceous Cover (390)
 Stripcropping (585)
 Tree/Shrub Establishment (612)
 Windbreak/Shelterbelt Establishment (380)
 Fish and Wildlife: Inadequate Food
 Conservation Cover (327)
 Field Border (386)
 Riparian Forest Buffer (391)
 Riparian Herbaceous Cover (390)
 Stripcropping (585)
 Tree/Shrub Establishment (612)
 Windbreak/Shelterbelt Establishment (380)
 Fish and Wildlife: T&E Species: Declining Species, Species of Concern
 Conservation Cover (327)
 Critical Area Planting (342)
 Fence (382)
 Field Border (386)
 Riparian Forest Buffer (391)
 Riparian Herbaceous Cover (390)
 Plant Condition: Forage Quality and Palatability
 Cover Crop (340)
 Nutrient Management (590)
 Pasture and Hay Planting (512)
 Plant Condition: Productivity, Health and Vigor
 Access Control (472)
 Conservation Cover (327)
 Conservation Crop Rotation (328)
 Cover Crop (340)
 Critical Area Planting (342)
 Diversion (362)
 Early Successional Habitat Development/M (647)
 Field Border (386)
 Grassed Waterway (412)

- Nutrient Management (590)
- Pasture and Hay Planting (512)
- Residue Mgmt, Mulch Till (345)
- Residue Mgmt-No-Till/Strip Till/Direct S (329)
- Riparian Forest Buffer (391)
- Riparian Herbaceous Cover (390)
- Stripcropping (585)
- Terrace (600)
- Tree/Shrub Establishment (612)
- Vegetated Treatment Area (635)
- Waste Storage Facility (313)
- Water Well (642)
- Watering Facility (614)
- Soil Condition: Contaminants-Animal Waste and Other Organics - N
 - Access Control (472)
 - Amendments for Treatment of Ag Waste (591)
 - Composting Facility (317)
 - Conservation Cover (327)
 - Conservation Crop Rotation (328)
 - Field Border (386)
 - Filter Strip (393)
 - Heavy Use Area Protection (561)
 - Nutrient Management (590)
 - Sinkhole and Sinkhole Area Treatment (527)
 - Waste Storage Facility (313)
 - Waste Treatment Lagoon (359)
- Soil Condition: Contaminants-Animal Waste and Other Organics - P
 - Access Control (472)
 - Amendments for Treatment of Ag Waste (591)
 - Composting Facility (317)
 - Conservation Cover (327)
 - Conservation Crop Rotation (328)
 - Field Border (386)
 - Filter Strip (393)
 - Heavy Use Area Protection (561)
 - Nutrient Management (590)
 - Sinkhole and Sinkhole Area Treatment (527)
 - Waste Storage Facility (313)
 - Waste Treatment Lagoon (359)
- Soil Erosion: Classic Gully
 - Access Control (472)
 - Conservation Crop Rotation (328)
 - Cover Crop (340)
 - Critical Area Planting (342)
 - Diversion (362)
 - Field Border (386)
 - Grade Stabilization Structure (410)
 - Grassed Waterway (412)
 - Lined Waterway or Outlet (468)
 - Residue Mgmt, Mulch Till (345)
 - Residue Mgmt-No-Till/Strip Till/Direct S (329)
 - Riparian Forest Buffer (391)
 - Roof Runoff Structure (558)
 - Sinkhole and Sinkhole Area Treatment (527)
 - Stripcropping (585)
 - Terrace (600)
- Soil Erosion: Ephemeral Gully
 - Conservation Cover (327)
 - Conservation Crop Rotation (328)
 - Cover Crop (340)
 - Critical Area Planting (342)

- Diversion (362)
- Field Border (386)
- Grassed Waterway (412)
- Lined Waterway or Outlet (468)
- Pasture and Hay Planting (512)
- Residue Mgmt, Mulch Till (345)
- Residue Mgmt-No-Till/Strip Till/Direct S (329)
- Riparian Forest Buffer (391)
- Riparian Herbaceous Cover (390)
- Roof Runoff Structure (558)
- Sinkhole and Sinkhole Area Treatment (527)
- Stripcropping (585)
- Terrace (600)
- Soil Erosion: Sheet and Rill
 - Conservation Cover (327)
 - Conservation Crop Rotation (328)
 - Cover Crop (340)
 - Critical Area Planting (342)
 - Diversion (362)
 - Field Border (386)
 - Pasture and Hay Planting (512)
 - Residue Mgmt, Mulch Till (345)
 - Residue Mgmt-No-Till/Strip Till/Direct S (329)
 - Riparian Forest Buffer (391)
 - Riparian Herbaceous Cover (390)
 - Roof Runoff Structure (558)
 - Stripcropping (585)
 - Terrace (600)
- Soil Erosion: Streambank
 - Access Control (472)
 - Critical Area Planting (342)
 - Diversion (362)
 - Field Border (386)
 - Grade Stabilization Structure (410)
 - Riparian Forest Buffer (391)
 - Riparian Herbaceous Cover (390)
 - Stream Crossing (578)
 - Terrace (600)
 - Water Well (642)
- Water Quality: Excessive Nutrients and Organics in Groundwater
 - Animal Mortality Facility (316)
 - Closure of Waste Impoundment (360)
 - Composting Facility (317)
 - Conservation Cover (327)
 - Conservation Crop Rotation (328)
 - Cover Crop (340)
 - Filter Strip (393)
 - Nutrient Management (590)
 - Pasture and Hay Planting (512)
 - Pond Sealing - Clay Treatment (521D)
 - Pond Sealing or Lining, Bentonite Sealant (521C)
 - Pond Sealing or Lining, Flexible Membrane (521A)
 - Pond Sealing or Lining, Soil Dispersant (521B)
 - Roof Runoff Structure (558)
 - Sinkhole and Sinkhole Area Treatment (527)
 - Waste Transfer (634)
 - Waste Treatment Lagoon (359)
- Water Quality: Excessive Nutrients and Organics in Surface Water
 - Access Control (472)
 - Anaerobic Digester, Controlled Temp. (366)
 - Animal Mortality Facility (316)

- Closure of Waste Impoundment (360)
- Composting Facility (317)
- Conservation Cover (327)
- Conservation Crop Rotation (328)
- Cover Crop (340)
- Filter Strip (393)
- Heavy Use Area Protection (561)
- Nutrient Management (590)
- Pasture and Hay Planting (512)
- Pond Sealing - Clay Treatment (521D)
- Pond Sealing or Lining, Bentonite Sealant (521C)
- Pond Sealing or Lining, Flexible Membrane (521A)
- Pond Sealing or Lining, Soil Dispersant (521B)
- Residue Mgmt, Mulch Till (345)
- Residue Mgmt-No-Till/Strip Till/Direct S (329)
- Riparian Forest Buffer (391)
- Riparian Herbaceous Cover (390)
- Roof Runoff Structure (558)
- Sinkhole and Sinkhole Area Treatment (527)
- Stripcropping (585)
- Terrace (600)
- Tree/Shrub Establishment (612)
- Vegetated Treatment Area (635)
- Waste Transfer (634)
- Waste Treatment Lagoon (359)

Water Quality: Excessive Suspended Sediment and Turbidity in Surface Water

- Access Control (472)
- Conservation Cover (327)
- Conservation Crop Rotation (328)
- Cover Crop (340)
- Critical Area Planting (342)
- Diversion (362)
- Field Border (386)
- Filter Strip (393)
- Grade Stabilization Structure (410)
- Grassed Waterway (412)
- Heavy Use Area Protection (561)
- Lined Waterway or Outlet (468)
- Pasture and Hay Planting (512)
- Residue Mgmt, Mulch Till (345)
- Residue Mgmt-No-Till/Strip Till/Direct S (329)
- Riparian Forest Buffer (391)
- Riparian Herbaceous Cover (390)
- Roof Runoff Structure (558)
- Sinkhole and Sinkhole Area Treatment (527)
- Stream Crossing (578)
- Stripcropping (585)
- Terrace (600)
- Tree/Shrub Establishment (612)
- Vegetated Treatment Area (635)
- Watering Facility (614)

Water Quality: Harmful Levels of Pathogens in Groundwater

- Animal Mortality Facility (316)
- Closure of Waste Impoundment (360)
- Composting Facility (317)
- Conservation Cover (327)
- Conservation Crop Rotation (328)
- Cover Crop (340)
- Nutrient Management (590)
- Pond Sealing - Clay Treatment (521D)
- Pond Sealing or Lining, Bentonite Sealant (521C)

- Pond Sealing or Lining, Flexible Membran (521A)
- Pond Sealing or Lining, Soil Dispersant (521B)
- Roofs and Covers (367)
- Sinkhole and Sinkhole Area Treatment (527)
- Stream Crossing (578)
- Waste Transfer (634)
- Waste Treatment Lagoon (359)
- Water Quality: Harmful Levels of Pathogens in Surface Water
 - Access Control (472)
 - Anaerobic Digestor, Controlled Temp. (366)
 - Animal Mortality Facility (316)
 - Composting Facility (317)
 - Conservation Cover (327)
 - Conservation Crop Rotation (328)
 - Cover Crop (340)
 - Diversion (362)
 - Heavy Use Area Protection (561)
 - Nutrient Management (590)
 - Residue Mgmt, Mulch Till (345)
 - Residue Mgmt-No-Till/Strip Till/Direct S (329)
 - Riparian Forest Buffer (391)
 - Riparian Herbaceous Cover (390)
 - Roof Runoff Structure (558)
 - Sinkhole and Sinkhole Area Treatment (527)
 - Stripcropping (585)
 - Terrace (600)
 - Vegetated Treatment Area (635)
 - Waste Transfer (634)
 - Waste Treatment Lagoon (359)
 - Watering Facility (614)

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