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Ranking Tool Summary

for FY2016 - Beginning Farmer - Cropland

(Released 01/05/2016)

Description:

A beginning farmer or rancher is an applicant who meets both of the following criteria: has not operated a farm or ranch, or has operated a farm or ranch for not more than 10 consecutive years AND will materially and substantially participate in the operation of the farm or ranch. A legal entity or joint operation may be considered beginning farmer or rancher only if all of the individual members independently qualify. In the case of a contract with an individual, individually or with the immediate family, material and substantial participation requires that the individual provide substantial day-to-day labor and management of the farm or ranch, consistent with the practices in the county or State where the farm is located. In the case of a contract made with a legal entity, all members must materially and substantially participate in the operation of the farm or ranch. Material and substantial participation requires that the members provide some amount of the management, labor, or both necessary for day-to-day activities, such that if the members did not provide these inputs, operation of the farm or ranch would be seriously impaired. Applicants who self-certify eligibility as a beginner farmer or rancher may be requested to provide records to justify their claim. It is the responsibility of the applicant to provide accurate data. False certifications are subject to prosecution and litigation under criminal and civil fraud statutes.

Land Uses:

Associated Agriculture Land, Crop

Efficiency Score:

Scoring Multiplier: 4.390

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, 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

Questions:

Sub-heading Number	Question Number	Question	Points
1		Water: Water Quality: Questions 2-4: Only one Yes allowed - maximum 50 points	
	1	The application includes 393 Filter Strip, or 390 Riparian Herbaceous Cover, or 391 Riparian Forest Buffer.	60
	2	The application includes 590 Nutrient Management - Enhanced Nutrient Mgt level C.	50
	3	The application includes 590 Nutrient Management - Basic Nutrient Mgmt., manure history level B manure	30
	4	The application includes 590 Nutrient Management - Basic Nutrient Mgmt., fertilizer only level B fertilizer	20
	5	The application includes 340 Cover Crop - Nitrogen Fixing Cover	25
	6	The application includes 340 Cover Crop - Soil Protection N Scavenging Cover	25
2		Soil: Soil: Soil Erosion: Questions 3-5: Only one Yes allowed - maximum 20 points. Questions 6-8: Only one Yes allowed - maximum 15 points.	
	1	The application includes practices that directly treat gully erosion by eliminating one or more of the following pollutants from reaching surface water or open sinkholes: nutrients, pathogens, pesticides, or sediment.	30
	2	The application includes one or more of the following practices: 330 Contour Farming, 332 Contour Buffer Strips, 350 Sediment Basin, 362 Diversion, 585 Stripcropping	20

	3	The application includes 329 Residue and Tillage Management - No-Till for 3 years.	20
	4	The application includes 329 Residue and Tillage Management - No-Till for 2 years.	15
	5	The application includes 329 Residue and Tillage Management - No-Till for 1 year.	10
	6	The application includes 345 Residue and Tillage Management, Reduced Till for 3 years.	15
	7	The application includes 345 Residue and Tillage Management, Reduced Till for 2 years.	10
	8	The application includes 345 Residue and Tillage Management, Reduced Till for 1 year.	5
	9	The application includes one or more of the following practices that convert marginal cropland to pasture, hayland or trees: 327 Conservation Cover, 390 Riparian Herbaceous Cover, 391 Riparian Forest Buffer, 512 Forage and Biomass Planting, 612 Tree/Shrub Establishment	35
3		Soil: Soil Quality:	
	1	The application includes 328 Conservation Crop Rotation - Improve Rotation Diversity.	40
	2	The application includes a 328 Conservation Crop Rotation Crop (Continuous Live Roots) for 3 years.	25
	3	The application includes 340 Cover Crop - Soil Health Cover (min. of 3 species with at least one in each of the 3 functional groups).	10
	4	The application includes 340 Cover Crop - Organic Weed Control Cover Crop.	5
4		Plants	
	1	The application includes conservation practices that are beneficial to pollinators and beneficial insects: 327 Conseravtation Cover or 386 Field Border.	25
	2	The application includes 449 Irrigation Water Management.	15
		Maximum Points:	Total Points
			490

Local Issues:

Scoring Multiplier: 1.000

Questions:

Sub-heading Number	Question Number	Question	Points
1		Fish and Wildlife	
	1	The application includes two of the practices listed below that benefit wildlife (inadequate food/cover/shelter or Inadequate Habitat Continuity (Space). The direct benefit shall be confirmed by a biologist and documentation exists to substantiate points awarded. - 327 Conservation Cover - 338 Prescribed Burning - 390 Riparian Herbaceous Cover - 391 Riparian Forest Buffer - 395 Stream Habitat Improvement and Management - 422 Hedgerow Planting - 528 Prescribed Grazing: The Prescribed Grazing Plan must specify grazing guidelines for the species of concern. - 643 Restoration and Management of Rare and Declining Habitats - 644 Wetland Wildlife Habitat Management - 645 Upland Wildlife Habitat Management - 647 Early Successional Habitat Development/Management - 649 Structures for Wildlife - 657 Wetland Restoration - 658 Wetland Creation - 659 Wetland Enhancement	45
2		Livestock Production	
	1	The application includes three of the practices listed below that benefit livestock (Inadequate Feed & Forage or Inadequate Water) - 314 Brush	40

		Management - 315 Herbaceous Weed Control - 338 Prescribed Burning - 390 Riparian Herbaceous Cover - 512 Forage and Biomass Planting - 528 Prescribed Grazing - 574 Spring Development - 590 Nutrient Management - 614 Watering Facility - 642 Water Well	
3		Geographic and Resource Priorities	
	1	The area being considered for an EQIP contract is within an impaired watershed shown on the "Impaired Waters of Virginia" Toolkit GIS layer, AND, the application includes practices that address the impairment.	75
	2	The area being considered is within the Chesapeake Bay Watershed.	40
	3	Will the project occur within 2 miles of, AND provide a direct benefit to a species that is in the Toolkit layer T&E species (either DGIF or Natural Heritage). The direct benefit shall be confirmed by a biologist and documentation exists to substantiate points awarded.	50
		Maximum Points: Total Points	250

Selected Resource Concerns and Practices:

Degraded Plant Condition: Excessive Plant Pest Pressure

- Composting Facility (317)
- Conservation Cover (327)
- Conservation Crop Rotation (328)
- Contour Buffer Strips (332)
- Cover Crop (340)
- Critical Area Planting (342)
- Early Successional Habitat Development/M (647)
- Field Border (386)
- Filter Strip (393)
- Firebreak (394)
- Grassed Waterway (412)
- Hedgerow Planting (422)
- Irrigation System, Microirrigation (441)
- Irrigation Water Management (449)
- Mulching (484)
- Prescribed Burning (338)
- Restoration and Management of Rare and D (643)
- Riparian Forest Buffer (391)
- Riparian Herbaceous Cover (390)
- Stream Habitat Improvement and Managemen (395)
- Streambank and Shoreline Protection (580)
- Tree/Shrub Establishment (612)
- Tree/Shrub Site Preparation (490)
- Upland Wildlife Habitat Management (645)
- Wetland Creation (658)
- Wetland Enhancement (659)
- Wetland Restoration (657)
- Wetland Wildlife Habitat Management (644)
- Windbreak/Shelterbelt Establishment (380)

Degraded Plant Condition: Inadequate Structure and Composition

- Conservation Cover (327)
- Conservation Crop Rotation (328)
- Contour Buffer Strips (332)
- Cover Crop (340)
- Critical Area Planting (342)
- Early Successional Habitat Development/M (647)
- Field Border (386)
- Filter Strip (393)
- Forage and Biomass Planting (512)
- Grassed Waterway (412)
- Hedgerow Planting (422)

Nutrient Management (590)
 Prescribed Burning (338)
 Restoration and Management of Rare and D (643)
 Riparian Forest Buffer (391)
 Riparian Herbaceous Cover (390)
 Stream Habitat Improvement and Managemen (395)
 Streambank and Shoreline Protection (580)
 Tree/Shrub Establishment (612)
 Tree/Shrub Site Preparation (490)
 Upland Wildlife Habitat Management (645)
 Wetland Creation (658)
 Wetland Enhancement (659)
 Wetland Restoration (657)
 Wetland Wildlife Habitat Management (644)
 Windbreak/Shelterbelt Establishment (380)

Degraded Plant Condition: Undesirable Plant Productivity and Health

Conservation Cover (327)
 Conservation Crop Rotation (328)
 Contour Buffer Strips (332)
 Contour Farming (330)
 Cover Crop (340)
 Critical Area Planting (342)
 Diversion (362)
 Drainage Water Management (554)
 Early Successional Habitat Development/M (647)
 Field Border (386)
 Filter Strip (393)
 Firebreak (394)
 Forage and Biomass Planting (512)
 Grassed Waterway (412)
 Hedgerow Planting (422)
 High Tunnel System (325)
 Irrigation Pipeline (430)
 Irrigation System, Microirrigation (441)
 Irrigation Water Management (449)
 Mulching (484)
 Nutrient Management (590)
 Prescribed Burning (338)
 Pumping Plant (533)
 Residue and Tillage Management, No-Till (329)
 Residue and Tillage Management, Reduced (345)
 Restoration and Management of Rare and D (643)
 Riparian Forest Buffer (391)
 Riparian Herbaceous Cover (390)
 Stream Habitat Improvement and Managemen (395)
 Streambank and Shoreline Protection (580)
 Stripcropping (585)
 Subsurface Drain (606)
 Tree/Shrub Establishment (612)
 Tree/Shrub Site Preparation (490)
 Underground Outlet (620)
 Upland Wildlife Habitat Management (645)
 Wetland Creation (658)
 Wetland Enhancement (659)
 Wetland Restoration (657)
 Wetland Wildlife Habitat Management (644)
 Windbreak/Shelterbelt Establishment (380)

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

Conservation Cover (327)
 Conservation Crop Rotation (328)
 Contour Buffer Strips (332)

Cover Crop (340)
Critical Area Planting (342)
Dike (356)
Early Successional Habitat Development/M (647)
Field Border (386)
Filter Strip (393)
Forage and Biomass Planting (512)
Grade Stabilization Structure (410)
Grassed Waterway (412)
Hedgerow Planting (422)
Lined Waterway or Outlet (468)
Mulching (484)
Nutrient Management (590)
Prescribed Burning (338)
Residue and Tillage Management, No-Till (329)
Residue and Tillage Management, Reduced (345)
Restoration and Management of Rare and D (643)
Riparian Forest Buffer (391)
Riparian Herbaceous Cover (390)
Sediment Basin (350)
Stream Habitat Improvement and Managemen (395)
Streambank and Shoreline Protection (580)
Stripcropping (585)
Structures for Wildlife (649)
Tree/Shrub Establishment (612)
Upland Wildlife Habitat Management (645)
Wetland Creation (658)
Wetland Enhancement (659)
Wetland Restoration (657)
Wetland Wildlife Habitat Management (644)
Windbreak/Shelterbelt Establishment (380)
Fish and Wildlife - Inadequate Habitat: Inadequate Habitat - Food
Conservation Cover (327)
Conservation Crop Rotation (328)
Contour Buffer Strips (332)
Cover Crop (340)
Critical Area Planting (342)
Dike (356)
Early Successional Habitat Development/M (647)
Field Border (386)
Filter Strip (393)
Forage and Biomass Planting (512)
Grade Stabilization Structure (410)
Grassed Waterway (412)
Hedgerow Planting (422)
Lined Waterway or Outlet (468)
Mulching (484)
Nutrient Management (590)
Prescribed Burning (338)
Residue and Tillage Management, No-Till (329)
Residue and Tillage Management, Reduced (345)
Restoration and Management of Rare and D (643)
Riparian Forest Buffer (391)
Riparian Herbaceous Cover (390)
Sediment Basin (350)
Stream Habitat Improvement and Managemen (395)
Streambank and Shoreline Protection (580)
Stripcropping (585)
Structures for Wildlife (649)
Tree/Shrub Establishment (612)
Upland Wildlife Habitat Management (645)

Wetland Creation (658)
 Wetland Enhancement (659)
 Wetland Restoration (657)
 Wetland Wildlife Habitat Management (644)
 Windbreak/Shelterbelt Establishment (380)
 Fish and Wildlife - Inadequate Habitat: Inadequate Habitat - Habitat Continuity (Space)
 Conservation Cover (327)
 Conservation Crop Rotation (328)
 Contour Buffer Strips (332)
 Cover Crop (340)
 Critical Area Planting (342)
 Dike (356)
 Drainage Water Management (554)
 Early Successional Habitat Development/M (647)
 Field Border (386)
 Filter Strip (393)
 Firebreak (394)
 Grassed Waterway (412)
 Hedgerow Planting (422)
 Prescribed Burning (338)
 Residue and Tillage Management, No-Till (329)
 Residue and Tillage Management, Reduced (345)
 Restoration and Management of Rare and D (643)
 Riparian Forest Buffer (391)
 Riparian Herbaceous Cover (390)
 Stream Habitat Improvement and Managemen (395)
 Streambank and Shoreline Protection (580)
 Stripcropping (585)
 Structures for Wildlife (649)
 Tree/Shrub Establishment (612)
 Upland Wildlife Habitat Management (645)
 Wetland Creation (658)
 Wetland Enhancement (659)
 Wetland Restoration (657)
 Wetland Wildlife Habitat Management (644)
 Windbreak/Shelterbelt Establishment (380)
 Fish and Wildlife - Inadequate Habitat: Inadequate Habitat - Water
 Dike (356)
 Drainage Water Management (554)
 Grade Stabilization Structure (410)
 Grassed Waterway (412)
 Irrigation System, Microirrigation (441)
 Restoration and Management of Rare and D (643)
 Riparian Forest Buffer (391)
 Riparian Herbaceous Cover (390)
 Sediment Basin (350)
 Stream Habitat Improvement and Managemen (395)
 Structure for Water Control (587)
 Wetland Creation (658)
 Wetland Enhancement (659)
 Wetland Restoration (657)
 Wetland Wildlife Habitat Management (644)
 Insufficient Water: Inefficient Use of Irrigation Water
 Conservation Crop Rotation (328)
 Cover Crop (340)
 Diversion (362)
 Irrigation Pipeline (430)
 Irrigation System, Microirrigation (441)
 Irrigation Water Management (449)
 Mulching (484)
 Pumping Plant (533)

- Residue and Tillage Management, No-Till (329)
- Residue and Tillage Management, Reduced (345)
- Structure for Water Control (587)
- Subsurface Drain (606)
- Windbreak/Shelterbelt Establishment (380)
- Soil Erosion: Classic Gully Erosion
 - Conservation Cover (327)
 - Contour Buffer Strips (332)
 - Critical Area Planting (342)
 - Dike (356)
 - Diversion (362)
 - Firebreak (394)
 - Grade Stabilization Structure (410)
 - Grassed Waterway (412)
 - Heavy Use Area Protection (561)
 - Irrigation Pipeline (430)
 - Karst Sinkhole Treatment (527)
 - Lined Waterway or Outlet (468)
 - Mulching (484)
 - Prescribed Burning (338)
 - Riparian Forest Buffer (391)
 - Roof Runoff Structure (558)
 - Sediment Basin (350)
 - Subsurface Drain (606)
 - Tree/Shrub Establishment (612)
 - Tree/Shrub Site Preparation (490)
 - Underground Outlet (620)
 - Upland Wildlife Habitat Management (645)
- Soil Erosion: Ephemeral Gully Erosion
 - Conservation Cover (327)
 - Conservation Crop Rotation (328)
 - Contour Buffer Strips (332)
 - Contour Farming (330)
 - Cover Crop (340)
 - Critical Area Planting (342)
 - Diversion (362)
 - Field Border (386)
 - Firebreak (394)
 - Grassed Waterway (412)
 - Heavy Use Area Protection (561)
 - Karst Sinkhole Treatment (527)
 - Lined Waterway or Outlet (468)
 - Mulching (484)
 - Prescribed Burning (338)
 - Residue and Tillage Management, No-Till (329)
 - Residue and Tillage Management, Reduced (345)
 - Restoration and Management of Rare and D (643)
 - Riparian Forest Buffer (391)
 - Riparian Herbaceous Cover (390)
 - Roof Runoff Structure (558)
 - Sediment Basin (350)
 - Stripcropping (585)
 - Subsurface Drain (606)
 - Tree/Shrub Establishment (612)
 - Tree/Shrub Site Preparation (490)
 - Underground Outlet (620)
 - Upland Wildlife Habitat Management (645)
 - Windbreak/Shelterbelt Establishment (380)
- Soil Erosion: Sheet and Rill Erosion
 - Conservation Cover (327)
 - Conservation Crop Rotation (328)

- Contour Buffer Strips (332)
- Contour Farming (330)
- Cover Crop (340)
- Critical Area Planting (342)
- Diversion (362)
- Field Border (386)
- Firebreak (394)
- Forage and Biomass Planting (512)
- Heavy Use Area Protection (561)
- Mulching (484)
- Prescribed Burning (338)
- Residue and Tillage Management, No-Till (329)
- Residue and Tillage Management, Reduced (345)
- Restoration and Management of Rare and D (643)
- Riparian Forest Buffer (391)
- Riparian Herbaceous Cover (390)
- Roof Runoff Structure (558)
- Stripcropping (585)
- Subsurface Drain (606)
- Tree/Shrub Establishment (612)
- Tree/Shrub Site Preparation (490)
- Upland Wildlife Habitat Management (645)
- Windbreak/Shelterbelt Establishment (380)
- Soil Erosion: Streambank, Shoreline, Water Conveyance Channels
 - Conservation Cover (327)
 - Critical Area Planting (342)
 - Dike (356)
 - Diversion (362)
 - Field Border (386)
 - Grade Stabilization Structure (410)
 - Grassed Waterway (412)
 - Mulching (484)
 - Prescribed Burning (338)
 - Riparian Forest Buffer (391)
 - Riparian Herbaceous Cover (390)
 - Roof Runoff Structure (558)
 - Stream Habitat Improvement and Managemen (395)
 - Streambank and Shoreline Protection (580)
 - Subsurface Drain (606)
 - Tree/Shrub Establishment (612)
 - Underground Outlet (620)
 - Upland Wildlife Habitat Management (645)
- Soil Erosion: Wind Erosion
 - Conservation Cover (327)
 - Conservation Crop Rotation (328)
 - Cover Crop (340)
 - Critical Area Planting (342)
 - Drainage Water Management (554)
 - Field Border (386)
 - Firebreak (394)
 - Forage and Biomass Planting (512)
 - Heavy Use Area Protection (561)
 - Hedgerow Planting (422)
 - Irrigation Water Management (449)
 - Mulching (484)
 - Prescribed Burning (338)
 - Residue and Tillage Management, No-Till (329)
 - Residue and Tillage Management, Reduced (345)
 - Restoration and Management of Rare and D (643)
 - Riparian Forest Buffer (391)
 - Riparian Herbaceous Cover (390)

- Stripcropping (585)
- Subsurface Drain (606)
- Tree/Shrub Establishment (612)
- Tree/Shrub Site Preparation (490)
- Upland Wildlife Habitat Management (645)
- Windbreak/Shelterbelt Establishment (380)
- Soil Quality Degradation: Compaction
 - Conservation Cover (327)
 - Conservation Crop Rotation (328)
 - Cover Crop (340)
 - Critical Area Planting (342)
 - Drainage Water Management (554)
 - Field Border (386)
 - Filter Strip (393)
 - Firebreak (394)
 - Forage and Biomass Planting (512)
 - Heavy Use Area Protection (561)
 - Hedgerow Planting (422)
 - Nutrient Management (590)
 - Residue and Tillage Management, No-Till (329)
 - Residue and Tillage Management, Reduced (345)
 - Riparian Forest Buffer (391)
 - Riparian Herbaceous Cover (390)
 - Subsurface Drain (606)
 - Tree/Shrub Establishment (612)
 - Tree/Shrub Site Preparation (490)
 - Windbreak/Shelterbelt Establishment (380)
- Soil Quality Degradation: Organic Matter Depletion
 - Conservation Cover (327)
 - Conservation Crop Rotation (328)
 - Contour Buffer Strips (332)
 - Contour Farming (330)
 - Cover Crop (340)
 - Critical Area Planting (342)
 - Drainage Water Management (554)
 - Field Border (386)
 - Filter Strip (393)
 - Firebreak (394)
 - Forage and Biomass Planting (512)
 - Grassed Waterway (412)
 - Hedgerow Planting (422)
 - Irrigation Water Management (449)
 - Mulching (484)
 - Nutrient Management (590)
 - Prescribed Burning (338)
 - Residue and Tillage Management, No-Till (329)
 - Residue and Tillage Management, Reduced (345)
 - Riparian Forest Buffer (391)
 - Riparian Herbaceous Cover (390)
 - Stripcropping (585)
 - Subsurface Drain (606)
 - Tree/Shrub Establishment (612)
 - Tree/Shrub Site Preparation (490)
 - Wetland Creation (658)
 - Wetland Enhancement (659)
 - Wetland Restoration (657)
 - Windbreak/Shelterbelt Establishment (380)
- Water Quality Degradation: Elevated Water Temperature
 - Early Successional Habitat Development/M (647)
 - Hedgerow Planting (422)
 - Restoration and Management of Rare and D (643)

- Riparian Forest Buffer (391)
- Riparian Herbaceous Cover (390)
- Stream Habitat Improvement and Management (395)
- Streambank and Shoreline Protection (580)
- Structure for Water Control (587)
- Tree/Shrub Establishment (612)

Water Quality Degradation: Excess Pathogens and Chemicals from Manure, Bio-solids or Compost
Applications in Groundwater

- Composting Facility (317)
- Conservation Cover (327)
- Contour Buffer Strips (332)
- Cover Crop (340)
- Drainage Water Management (554)
- Filter Strip (393)
- Irrigation Pipeline (430)
- Irrigation System, Microirrigation (441)
- Irrigation Water Management (449)
- Karst Sinkhole Treatment (527)
- Nutrient Management (590)
- Riparian Forest Buffer (391)
- Riparian Herbaceous Cover (390)
- Roofs and Covers (367)
- Sediment Basin (350)
- Subsurface Drain (606)
- Tree/Shrub Establishment (612)
- Well Decommissioning (351)

Water Quality Degradation: Excess Pathogens and Chemicals from Manure, Bio-solids or Compost
Applications in Surface Water

- Composting Facility (317)
- Conservation Cover (327)
- Conservation Crop Rotation (328)
- Contour Buffer Strips (332)
- Contour Farming (330)
- Cover Crop (340)
- Diversion (362)
- Drainage Water Management (554)
- Field Border (386)
- Filter Strip (393)
- Forage and Biomass Planting (512)
- Grassed Waterway (412)
- Heavy Use Area Protection (561)
- Irrigation Pipeline (430)
- Irrigation System, Microirrigation (441)
- Irrigation Water Management (449)
- Karst Sinkhole Treatment (527)
- Nutrient Management (590)
- Residue and Tillage Management, No-Till (329)
- Residue and Tillage Management, Reduced (345)
- Riparian Forest Buffer (391)
- Riparian Herbaceous Cover (390)
- Roof Runoff Structure (558)
- Sediment Basin (350)
- Streambank and Shoreline Protection (580)
- Stripcropping (585)
- Tree/Shrub Establishment (612)
- Underground Outlet (620)
- Wetland Creation (658)
- Wetland Enhancement (659)
- Wetland Restoration (657)
- Wetland Wildlife Habitat Management (644)

Water Quality Degradation: Excessive Sediment in Surface Water

Conservation Cover (327)
 Conservation Crop Rotation (328)
 Contour Buffer Strips (332)
 Contour Farming (330)
 Cover Crop (340)
 Critical Area Planting (342)
 Diversion (362)
 Field Border (386)
 Filter Strip (393)
 Firebreak (394)
 Forage and Biomass Planting (512)
 Grade Stabilization Structure (410)
 Grassed Waterway (412)
 Heavy Use Area Protection (561)
 Irrigation Pipeline (430)
 Irrigation System, Microirrigation (441)
 Irrigation Water Management (449)
 Karst Sinkhole Treatment (527)
 Lined Waterway or Outlet (468)
 Mulching (484)
 Prescribed Burning (338)
 Residue and Tillage Management, No-Till (329)
 Residue and Tillage Management, Reduced (345)
 Restoration and Management of Rare and D (643)
 Riparian Forest Buffer (391)
 Riparian Herbaceous Cover (390)
 Roof Runoff Structure (558)
 Sediment Basin (350)
 Stream Habitat Improvement and Managemen (395)
 Streambank and Shoreline Protection (580)
 Stripcropping (585)
 Structure for Water Control (587)
 Subsurface Drain (606)
 Tree/Shrub Establishment (612)
 Tree/Shrub Site Preparation (490)
 Upland Wildlife Habitat Management (645)
 Wetland Creation (658)
 Wetland Enhancement (659)
 Wetland Restoration (657)
 Wetland Wildlife Habitat Management (644)
 Windbreak/Shelterbelt Establishment (380)

Water Quality Degradation: Nutrients in Groundwater
 Composting Facility (317)
 Conservation Cover (327)
 Conservation Crop Rotation (328)
 Contour Buffer Strips (332)
 Contour Farming (330)
 Cover Crop (340)
 Critical Area Planting (342)
 Diversion (362)
 Drainage Water Management (554)
 Field Border (386)
 Filter Strip (393)
 Irrigation System, Microirrigation (441)
 Irrigation Water Management (449)
 Karst Sinkhole Treatment (527)
 Lined Waterway or Outlet (468)
 Mulching (484)
 Nutrient Management (590)
 Prescribed Burning (338)
 Residue and Tillage Management, No-Till (329)

- Riparian Forest Buffer (391)
- Riparian Herbaceous Cover (390)
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- Well Decommissioning (351)
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- Tree/Shrub Establishment (612)
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 - Tree/Shrub Site Preparation (490)
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