

## Ranking Tool Summary

### for FY2015 - Cropland - Christiansburg

(Released 11/06/2014 )

#### Description:

#### Land Uses:

Crop

#### Efficiency Score:

Scoring Multiplier: 100.000

#### 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: Questions 3-5: Only one Yes allowed - maximum 25 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.	50
	2	The application includes 393 Filter Strip, or 390 Riparian Herbaceous Cover, or 391 Riparian Forest Buffer.	35
	3	The application includes 590 Nutrient Management - Enhanced Nutrient Mgt level C.	25
	4	The application includes 590 Nutrient Management - Basic Nutrient Mgmt., manure history level B manure	20
	5	The application includes 590 Nutrient Management - Basic Nutrient Mgmt., fertilizer only level B fertilizer	15
	6	The application includes 340 Cover Crop - Nitrogen Fixing Cover	10
	7	The application includes 340 Cover Crop - Soil Protection N Scavenging Cover	5
2		Soil: Questions 1-3: Only one Yes allowed - maximum 35 points. Questions 8-10: Only one Yes allowed - maximum 20 points. Questions 11-13: Only one Yes allowed - maximum 15 points	
	1	The application includes 328 Conservation Crop Rotation - Annual crop to perennial to the rotation for: 3 summers.	35
	2	The application includes 328 Conservation Crop Rotation - Annual crop to perennial to the rotation for: 2 summers.	25
	3	The application includes 328 Conservation Crop Rotation - Annual crop to perennial to the rotation for: 1 summer.	15
	4	The application includes a 328 Conservation Crop Rotation Crop (Continuous Live Roots) for 3 summers.	30
	5	The application includes 340 Cover Crop - Organic Weed Control Cover Crop	20
	6	The application includes 340 Cover Crop - Soil Health Cover (min. of 3 species with at least one in each of the 3 functional groups)	15
	7	The application includes one or more of the following practices: 330 Contour Farming, 332 Contour Buffer Strips, 350 Sediment Basin, 362 Diversion, 585 Stripcropping	30
	8	The application includes 329 Residue and Tillage Management - No-Till for 3 years.	20
	9	The application includes 329 Residue and Tillage Management - No-Till for 2 years.	15
	10	The application includes 329 Residue and Tillage Management - No-Till for 1 year.	10
	11	The application includes 345 Residue and Tillage Management, Reduced Till for 3 years.	15
	12	The application includes 345 Residue and Tillage Management, Reduced Till for 2 years.	10
	13	The application includes 345 Residue and Tillage Management, Reduced Till for 1 year.	5
	14	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	60
3		Plants	
	1	The application includes conservation practices that are beneficial to pollinators and	20

		beneficial insects: 327 Conservation Cover or 386 Field Border	
	2	The application includes 314 Brush Management or 315 Herbaceous Weed Control	5
	3	The application includes 449 Irrigation Water Management.	5
4		Animals	
	1	The application includes one or more of the following practices: 327 Conservation Cover, 386 Field Border, 643 Restoration and Management of Rare and Declining Habitats, 647 Early Successional Habitat Development and Management.	15
5		Air	
	1	The application includes 329 Residue and Tillage Management - No-Till	5
Maximum Points: 400			Total Points 515

**Local Issues:**

Scoring Multiplier: 1.000

Questions:

Sub-heading Number	Question Number	Question	Points
1		Previous Contract Performance and Program Participation	
	1	The applicant has had a Farm Bill contract terminated within the past 3 years	-100
	2	The applicant has had a Farm Bill contract cancelled within the past 2 years	-50
	3	The applicant has an existing Farm Bill contract that was behind schedule at the end of the application cut-off period.	-75
	4	The proposed contract would be the applicants first EQIP contract	35
2		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.	65
	2	The area being considered is within the Chesapeake Bay Watershed.	45
	3	Will the project occur within 2 miles of and benefit a species that is in the Toolkit layer T&E species (either DGIF or Natural Heritage)?	40
3		Proactive Conservation Planning (It is understood that, by definition, all plans address all identified resource concerns and land within the application, and must meet all Virginia technical standards, specifications and other required criteria.) Questions 1-3: Only one Yes allowed - maximum of 65 points	
	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 the approved certified CNMP Conservation Planner.	65
	2	A Conservation Plan has been developed PRIOR to the EQIP application cutoff date. The conservation plan addresses the same resource concerns and is signed and dated by the applicant and certified conservation planner.	45
	3	A Nutrient Management Plan (NMP) has been completed for the current operation PRIOR to the EQIP application cut-off date. The NMP has been signed and dated by a VA Certified Nutrient Management Planner.	35
Maximum Points: 250			Total Points 105

**Selected Resource Concerns and Practices:**

Air Quality Impacts: Emissions of Greenhouse Gases (GHGs)

- Brush Management (314)
- Composting Facility (317)
- Conservation Cover (327)
- Conservation Crop Rotation (328)
- Contour Buffer Strips (332)
- 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)  
 Herbaceous Weed Control (315)  
 Irrigation System, Microirrigation (441)  
 Irrigation Water Management (449)  
 Nutrient Management (590)  
 Prescribed Burning (338)  
 Pumping Plant (533)  
 Residue Mgmt, Reduced Till (345)  
 Residue Mgmt-No-Till (329)  
 Riparian Forest Buffer (391)  
 Riparian Herbaceous Cover (390)  
 Streambank and Shoreline Protection (580)  
 Tree/Shrub Establishment (612)  
 Wetland Creation (658)  
 Wetland Enhancement (659)  
 Wetland Restoration (657)  
 Windbreak/Shelterbelt Establishment (380)

Air Quality Impacts: Emissions of Ozone Precursors

Composting Facility (317)  
 Conservation Cover (327)  
 Firebreak (394)  
 Nutrient Management (590)  
 Pumping Plant (533)  
 Residue Mgmt, Reduced Till (345)  
 Residue Mgmt-No-Till (329)

Air Quality Impacts: Objectionable Odors

Composting Facility (317)  
 Hedgerow Planting (422)  
 Nutrient Management (590)  
 Prescribed Burning (338)  
 Tree/Shrub Establishment (612)  
 Wetland Creation (658)  
 Wetland Enhancement (659)  
 Wetland Restoration (657)  
 Windbreak/Shelterbelt Establishment (380)

Degraded Plant Condition: Excessive Plant Pest Pressure

Brush Management (314)  
 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)  
 Herbaceous Weed Control (315)  
 Irrigation System, Microirrigation (441)  
 Irrigation Water Management (449)  
 Mulching (484)  
 Prescribed Burning (338)  
 Riparian Forest Buffer (391)  
 Riparian Herbaceous Cover (390)  
 Tree/Shrub Establishment (612)  
 Tree/Shrub Site Preparation (490)  
 Wetland Creation (658)  
 Wetland Enhancement (659)

- Wetland Restoration (657)
- Windbreak/Shelterbelt Establishment (380)
- Degraded Plant Condition: Inadequate Structure and Composition
  - Brush Management (314)
  - 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)
  - Herbaceous Weed Control (315)
  - Nutrient Management (590)
  - Prescribed Burning (338)
  - Riparian Forest Buffer (391)
  - Riparian Herbaceous Cover (390)
  - Tree/Shrub Establishment (612)
  - Tree/Shrub Site Preparation (490)
  - Wetland Creation (658)
  - Wetland Enhancement (659)
  - Wetland Restoration (657)
  - Windbreak/Shelterbelt Establishment (380)
- Degraded Plant Condition: Undesirable Plant Productivity and Health
  - Brush Management (314)
  - 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)
  - Forage and Biomass Planting (512)
  - Grassed Waterway (412)
  - Hedgerow Planting (422)
  - Herbaceous Weed Control (315)
  - Irrigation Pipeline (430)
  - Irrigation System, Microirrigation (441)
  - Irrigation Water Management (449)
  - Mulching (484)
  - Nutrient Management (590)
  - Prescribed Burning (338)
  - Pumping Plant (533)
  - Residue Mgmt, Reduced Till (345)
  - Residue Mgmt-No-Till (329)
  - Riparian Forest Buffer (391)
  - Riparian Herbaceous Cover (390)
  - Stripcropping (585)
  - Subsurface Drain (606)
  - Tree/Shrub Establishment (612)
  - Tree/Shrub Site Preparation (490)
  - Underground Outlet (620)
  - Wetland Creation (658)
  - Wetland Enhancement (659)
  - Wetland Restoration (657)
  - Windbreak/Shelterbelt Establishment (380)
- Fish and Wildlife - Inadequate Habitat: Inadequate Habitat - Cover/Shelter
  - Brush Management (314)

- 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)
- Grade Stabilization Structure (410)
- Grassed Waterway (412)
- Hedgerow Planting (422)
- Herbaceous Weed Control (315)
- Mulching (484)
- Nutrient Management (590)
- Prescribed Burning (338)
- Residue Mgmt, Reduced Till (345)
- Residue Mgmt-No-Till (329)
- Riparian Forest Buffer (391)
- Riparian Herbaceous Cover (390)
- Sediment Basin (350)
- Streambank and Shoreline Protection (580)
- Stripcropping (585)
- Tree/Shrub Establishment (612)
- Wetland Creation (658)
- Wetland Enhancement (659)
- Wetland Restoration (657)
- Windbreak/Shelterbelt Establishment (380)
- Fish and Wildlife - Inadequate Habitat: Inadequate Habitat - Food
  - Brush Management (314)
  - 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)
  - Grade Stabilization Structure (410)
  - Grassed Waterway (412)
  - Hedgerow Planting (422)
  - Herbaceous Weed Control (315)
  - Mulching (484)
  - Nutrient Management (590)
  - Prescribed Burning (338)
  - Residue Mgmt, Reduced Till (345)
  - Residue Mgmt-No-Till (329)
  - Riparian Forest Buffer (391)
  - Riparian Herbaceous Cover (390)
  - Sediment Basin (350)
  - Streambank and Shoreline Protection (580)
  - Stripcropping (585)
  - Tree/Shrub Establishment (612)
  - Wetland Creation (658)
  - Wetland Enhancement (659)
  - Wetland Restoration (657)
  - Windbreak/Shelterbelt Establishment (380)
- Fish and Wildlife - Inadequate Habitat: Inadequate Habitat - Habitat Continuity (Space)
  - Brush Management (314)
  - Conservation Cover (327)
  - Conservation Crop Rotation (328)
  - Contour Buffer Strips (332)
  - Cover Crop (340)
  - Critical Area Planting (342)

- Drainage Water Management (554)
- Early Successional Habitat Development/M (647)
- Field Border (386)
- Filter Strip (393)
- Firebreak (394)
- Grassed Waterway (412)
- Hedgerow Planting (422)
- Herbaceous Weed Control (315)
- Prescribed Burning (338)
- Residue Mgmt-No-Till (329)
- Riparian Forest Buffer (391)
- Riparian Herbaceous Cover (390)
- Streambank and Shoreline Protection (580)
- Stripcropping (585)
- Tree/Shrub Establishment (612)
- Wetland Creation (658)
- Wetland Enhancement (659)
- Wetland Restoration (657)
- Windbreak/Shelterbelt Establishment (380)
- Fish and Wildlife - Inadequate Habitat: Inadequate Habitat - Water
  - Drainage Water Management (554)
  - Grade Stabilization Structure (410)
  - Grassed Waterway (412)
  - Irrigation System, Microirrigation (441)
  - Riparian Forest Buffer (391)
  - Riparian Herbaceous Cover (390)
  - Sediment Basin (350)
  - Structure for Water Control (587)
  - Wetland Creation (658)
  - Wetland Enhancement (659)
  - Wetland Restoration (657)
- Inefficient Energy Use: Farming/Ranching Practices and Field Operations
  - Composting Facility (317)
  - Conservation Crop Rotation (328)
  - Contour Buffer Strips (332)
  - Contour Farming (330)
  - Cover Crop (340)
  - Grassed Waterway (412)
  - Irrigation Pipeline (430)
  - Irrigation System, Microirrigation (441)
  - Irrigation Water Management (449)
  - Prescribed Burning (338)
  - Pumping Plant (533)
  - Residue Mgmt, Reduced Till (345)
  - Residue Mgmt-No-Till (329)
  - Riparian Herbaceous Cover (390)
  - Underground Outlet (620)
  - Windbreak/Shelterbelt Establishment (380)
- Insufficient Water: Inefficient Use of Irrigation Water
  - Irrigation Pipeline (430)
  - Irrigation System, Microirrigation (441)
  - Irrigation Water Management (449)
  - Pumping Plant (533)
- Soil Erosion: Classic Gully Erosion
  - Brush Management (314)
  - Conservation Cover (327)
  - Contour Buffer Strips (332)
  - Critical Area Planting (342)
  - Diversion (362)
  - Firebreak (394)
  - Grade Stabilization Structure (410)
  - Grassed Waterway (412)
  - Herbaceous Weed Control (315)
  - 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)
- Soil Erosion: Ephemeral Gully Erosion
  - Brush Management (314)
  - 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)
  - Herbaceous Weed Control (315)
  - Karst Sinkhole Treatment (527)
  - Lined Waterway or Outlet (468)
  - Mulching (484)
  - Prescribed Burning (338)
  - Residue Mgmt, Reduced Till (345)
  - Residue Mgmt-No-Till (329)
  - 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)
  - Windbreak/Shelterbelt Establishment (380)
- Soil Erosion: Sheet and Rill Erosion
  - Brush Management (314)
  - 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)
  - Herbaceous Weed Control (315)
  - Mulching (484)
  - Prescribed Burning (338)
  - Residue Mgmt, Reduced Till (345)
  - Residue Mgmt-No-Till (329)
  - 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)
  - Windbreak/Shelterbelt Establishment (380)
- Soil Erosion: Streambank, Shoreline, Water Conveyance Channels

- Conservation Cover (327)
- Critical Area Planting (342)
- Diversion (362)
- Field Border (386)
- Grade Stabilization Structure (410)
- Grassed Waterway (412)
- Herbaceous Weed Control (315)
- Mulching (484)
- Prescribed Burning (338)
- Riparian Forest Buffer (391)
- Riparian Herbaceous Cover (390)
- Roof Runoff Structure (558)
- Streambank and Shoreline Protection (580)
- Subsurface Drain (606)
- Tree/Shrub Establishment (612)
- Underground Outlet (620)
- Soil Erosion: Wind Erosion
  - Brush Management (314)
  - 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)
  - Hedgerow Planting (422)
  - Herbaceous Weed Control (315)
  - Irrigation Water Management (449)
  - Mulching (484)
  - Prescribed Burning (338)
  - Residue Mgmt, Reduced Till (345)
  - Residue Mgmt-No-Till (329)
  - Riparian Forest Buffer (391)
  - Riparian Herbaceous Cover (390)
  - Stripcropping (585)
  - Subsurface Drain (606)
  - Tree/Shrub Establishment (612)
  - Tree/Shrub Site Preparation (490)
  - 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)
  - Hedgerow Planting (422)
  - Nutrient Management (590)
  - Residue Mgmt, Reduced Till (345)
  - Residue Mgmt-No-Till (329)
  - 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 Mgmt, Reduced Till (345)
- Residue Mgmt-No-Till (329)
- 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)
  - Riparian Forest Buffer (391)
  - Riparian Herbaceous Cover (390)
  - 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)
  - Sediment Basin (350)
  - Subsurface Drain (606)
  - Tree/Shrub Establishment (612)
  - Water 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)

- Irrigation Pipeline (430)
- Irrigation System, Microirrigation (441)
- Irrigation Water Management (449)
- Karst Sinkhole Treatment (527)
- Nutrient Management (590)
- Residue Mgmt, Reduced Till (345)
- Residue Mgmt-No-Till (329)
- Riparian Forest Buffer (391)
- Riparian Herbaceous Cover (390)
- Roof Runoff Structure (558)
- Sediment Basin (350)
- Stripcropping (585)
- Tree/Shrub Establishment (612)
- Underground Outlet (620)
- Wetland Creation (658)
- Wetland Enhancement (659)
- Wetland Restoration (657)

Water Quality Degradation: Excessive Sediment in Surface Water

- Brush Management (314)
- 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)
- 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 Mgmt, Reduced Till (345)
- Residue Mgmt-No-Till (329)
- Riparian Forest Buffer (391)
- Riparian Herbaceous Cover (390)
- Roof Runoff Structure (558)
- Sediment Basin (350)
- Stripcropping (585)
- Structure for Water Control (587)
- 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: 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 Mgmt-No-Till (329)
- Riparian Forest Buffer (391)
- Riparian Herbaceous Cover (390)
- Roof Runoff Structure (558)
- Sediment Basin (350)
- Subsurface Drain (606)
- Tree/Shrub Establishment (612)
- Water Well Decommissioning (351)
- Wetland Creation (658)
- Wetland Enhancement (659)
- Wetland Restoration (657)
- Windbreak/Shelterbelt Establishment (380)

Water Quality Degradation: Nutrients in Surface water

- Composting Facility (317)
- 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)
- Forage and Biomass Planting (512)
- Grassed Waterway (412)
- Hedgerow Planting (422)
- Irrigation Pipeline (430)
- Irrigation System, Microirrigation (441)
- Irrigation Water Management (449)
- Karst Sinkhole Treatment (527)
- Mulching (484)
- Nutrient Management (590)
- Prescribed Burning (338)
- Residue Mgmt, Reduced Till (345)
- Residue Mgmt-No-Till (329)
- Riparian Forest Buffer (391)
- Riparian Herbaceous Cover (390)
- Roof Runoff Structure (558)
- Sediment Basin (350)
- Stripcropping (585)
- Subsurface Drain (606)
- Tree/Shrub Establishment (612)
- Wetland Creation (658)
- Wetland Enhancement (659)
- Wetland Restoration (657)
- Windbreak/Shelterbelt Establishment (380)

Water Quality Degradation: Pesticides in Groundwater

- Conservation Cover (327)
- Conservation Crop Rotation (328)
- Contour Farming (330)
- Cover Crop (340)
- Diversion (362)
- Drainage Water Management (554)
- Field Border (386)
- Filter Strip (393)
- Irrigation System, Microirrigation (441)
- Irrigation Water Management (449)

- Karst Sinkhole Treatment (527)
- Riparian Forest Buffer (391)
- Riparian Herbaceous Cover (390)
- Sediment Basin (350)
- Subsurface Drain (606)
- Tree/Shrub Establishment (612)
- Tree/Shrub Site Preparation (490)
- Water Well Decommissioning (351)
- Wetland Creation (658)
- Wetland Enhancement (659)
- Wetland Restoration (657)

Water Quality Degradation: Pesticides in Surface Water

- Brush Management (314)
- 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)
- Hedgerow Planting (422)
- Irrigation System, Microirrigation (441)
- Irrigation Water Management (449)
- Karst Sinkhole Treatment (527)
- Mulching (484)
- Residue Mgmt, Reduced Till (345)
- Residue Mgmt-No-Till (329)
- Riparian Forest Buffer (391)
- Riparian Herbaceous Cover (390)
- Sediment Basin (350)
- Stripcropping (585)
- Subsurface Drain (606)
- Tree/Shrub Establishment (612)
- Tree/Shrub Site Preparation (490)
- Underground Outlet (620)
- Wetland Creation (658)
- Wetland Enhancement (659)
- Wetland Restoration (657)
- Windbreak/Shelterbelt Establishment (380)

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