

# Ranking Tool Summary

## for FY2014 - Cropland

(Released 12/16/2013 )

### Description:

### Land Uses:

Crop

### Efficiency Score:

Scoring Multiplier: 100.000

Scoring Ranges and Results Text:

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:

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

7	e. Are identified in a Nutrient Management plan?	10
7	f. Apply principles of adaptive nutrient management?	5
8	a. Reduce energy consumption on the agricultural operation?	15
8	b. Increase on-farm energy efficiency with practices and improvements identified in an approved energy audit equivalent to criteria required in Ag EMP?	10
8	c. Assist in implementing energy conservation measures that also reduce greenhouse gas emissions and other air pollutants?	10
9	a. Implementation of all conservation practices scheduled in the contract on the CPA-1155 within three years of date of obligation?	10
9	b. Improvement of existing conservation practices or conservation systems already in place at the time the application is accepted?	5
9	c. Implementation of practice(s) which will complete an existing conservation system or suite of practices?	5
Total Points		500

**State Issues:**

Scoring Multiplier: 1.000

Scoring Ranges and Results Text:

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
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**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, or reducing, or preventing one or more of the following pollutants from reaching surface water or open sinkholes: nutrients, pathogens, pesticides, or sediment.	50
	2	The application includes practices that filter sediment and absorb nutrients.	35
	3	The application includes Enhanced Nutrient Management Practices.	25
	4	The application includes Basic Nutrient Management Practices (commercial fertilizer and animal waste or bio-solids).	20
	5	The application includes Basic Nutrient Management Practices (commercial fertilizer only)	15
	6	The application includes Nitrogen Scavenging Cover Crops.	10
	7	The application includes Nitrogen Fixing Cover Crops.	5
2		Soil: Questions 1-3: Only one Yes allowed - maximum 30 points Questions 7-9: Only one Yes allowed - maximum 30 points Questions 10-12: Only one Yes allowed - maximum 25 points	
	1	The application includes adding perennials to the rotation for: 3 summers.	30
	2	The application includes adding perennials to the rotation for: 2 summers.	20
	3	The application includes adding perennials to the rotation for: 1 summers.	10
	4	The application includes a Soil Health Cover Crop.	10
	5	The application includes an Organic Weed Control Cover Crop.	5
	6	The application includes one or more of the following practices - Stripcropping, Code 585; Contour Farming, Code 330; Contour Buffer Strips, Code 332; Sediment Basin, Code 350; Diversion, Code 362	20
	7	The application includes No Till/Strip Till for 3 years.	30
	8	The application includes No Till/Strip Till for 2 years.	25
	9	The application includes No Till/Strip Till for 1 years.	20
	10	The application includes Mulch Till for 3 years.	25
	11	The application includes Mulch Till for 2 years.	20
	12	The application includes Mulch Till for 1 year.	15
	13	The application includes conservation practices that convert marginal cropland land to pasture, hayland or trees.	20
3		Plants	

	1	The application includes conservation practices that are beneficial to pollinators and beneficial insects.	15
	2	The application includes Nutrient Management.	10
	3	The application includes cover crops.	10
	4	The application includes practices that control herbaceous weed control.	10
	5	The application includes practices that improve irrigation water management.	5
4		Animals	
	1	The application includes at least one practice that directly improves or creates habitat for wildlife.	10
5		Air	
	1	The application includes practices that reduce tillage.	15
Maximum Points: 400			Total Points
			485

**Local Issues:**

Scoring Multiplier: 1.000

Scoring Ranges and Results Text:

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
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**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 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)  
 FARMSTEAD ENERGY IMPROVEMENT (374)  
 Field Border (386)  
 Filter Strip (393)  
 Firebreak (394)  
 Forage and Biomass Planting (512)  
 Grassed Waterway (412)  
 Hedgerow Planting (422)  
 Herbaceous Weed Control (315)  
 Nutrient Management (590)  
 Prescribed Burning (338)  
 Residue Mgmt, Mulch Till (345)  
 Residue Mgmt-No-Till/Strip Till/Direct S (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)  
 FARMSTEAD ENERGY IMPROVEMENT (374)  
 Firebreak (394)  
 Integrated Pest Management (595)  
 Nutrient Management (590)  
 Residue Mgmt, Mulch Till (345)  
 Residue Mgmt-No-Till/Strip Till/Direct S (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)  
 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)
- Mulching (484)
- Nutrient Management (590)
- Prescribed Burning (338)
- Residue Mgmt, Mulch Till (345)
- Residue Mgmt-No-Till/Strip Till/Direct S (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, Mulch Till (345)  
 Residue Mgmt-No-Till/Strip Till/Direct S (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)  
 Integrated Pest Management (595)  
 Mulching (484)  
 Nutrient Management (590)  
 Prescribed Burning (338)  
 Residue Mgmt, Mulch Till (345)  
 Residue Mgmt-No-Till/Strip Till/Direct S (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/Strip Till/Direct S (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)
  - 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)
  - Prescribed Burning (338)
  - Residue Mgmt, Mulch Till (345)
  - Residue Mgmt-No-Till/Strip Till/Direct S (329)
  - Riparian Herbaceous Cover (390)
  - Underground Outlet (620)
  - Windbreak/Shelterbelt Establishment (380)
- 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)
  - 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)
  - Integrated Pest Management (595)
  - Karst Sinkhole Treatment (527)

- Lined Waterway or Outlet (468)
- Mulching (484)
- Prescribed Burning (338)
- 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)
- 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)
- Integrated Pest Management (595)
- Mulching (484)
- Prescribed Burning (338)
- 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)
- 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)
- Contour Buffer Strips (332)
- 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)  
 Integrated Pest Management (595)  
 Mulching (484)  
 Prescribed Burning (338)  
 Residue Mgmt, Mulch Till (345)  
 Residue Mgmt-No-Till/Strip Till/Direct S (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)  
 Integrated Pest Management (595)  
 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)  
 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)  
 Integrated Pest Management (595)  
 Mulching (484)  
 Nutrient Management (590)  
 Prescribed Burning (338)  
 Residue Mgmt, Mulch Till (345)  
 Residue Mgmt-No-Till/Strip Till/Direct S (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)

## FARMSTEAD ENERGY IMPROVEMENT (374)

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)

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)

Karst Sinkhole Treatment (527)

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)

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)

Karst Sinkhole Treatment (527)

Lined Waterway or Outlet (468)

Mulching (484)

Prescribed Burning (338)  
 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)  
 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)  
 Karst Sinkhole Treatment (527)  
 Lined Waterway or Outlet (468)  
 Mulching (484)  
 Nutrient Management (590)  
 Prescribed Burning (338)  
 Residue Mgmt-No-Till/Strip Till/Direct S (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)  
 Karst Sinkhole Treatment (527)  
 Mulching (484)  
 Nutrient Management (590)  
 Prescribed Burning (338)  
 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)

- 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)
- Integrated Pest Management (595)
- 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)
- Herbaceous Weed Control (315)
- Integrated Pest Management (595)
- Karst Sinkhole Treatment (527)
- Mulching (484)
- Residue Mgmt, Mulch Till (345)
- Residue Mgmt-No-Till/Strip Till/Direct S (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)