Ranking Tool Summary
for FY2007 - Cropland - Erosion/Sedimentation
(Draft)

Description:

This information will be used in ranking EQIP applications for Cropland - Erosion/Sedimentation for Fiscal Year 2007. The beginning landuse must be cropland but cropland converting to grass is eligible for this fund code.

Land Uses:

Crop

Efficiency Score:

Scoring Multiplier: 1.00

National Priorities:

Scoring Multiplier: 10.00

Questions:

Number	Question	Points
1	Will the treatment you intend to implement using EQIP result in considerable reductions of non-point source pollution, such as nutrients, sediment, pesticides, excess salinity in impaired watersheds consistent with TMDL's where available as well as the reduction of groundwater contamination or point source such as contamination from confined animal feeding operations?	5
2	Will the treatment you intend to implement using EQIP result in the conservation of a considerable amount of ground or surface water resources?	5
3	Will the treatment you intend to implement using EQIP result in a considerable reduction of emissions, such as particulate matter, nitrogen oxides (NOx), volatile organic compounds, and ozone precursors and depleters that contribute to air quality impairment violations of National Ambient Air Quality Standards?	5
4	Will the treatment you intend to implement using EQIP result in a considerable reduction in soil erosion and sedimentation from unacceptable levels on agricultural land?	5

5	Will the treatment you intend to implement using EQIP result in a considerable increase in the promotion of at-risk species habitat conservation?	5
	Total Points	25

State Issues:

Scoring Multiplier: 10.00

Questions:

Number	Question	Points
1	Will the practice(s) to be installed reduce sediment load to a 303 (d) stream?	100
2	Do you have or will you establish a buffer on fields adjacent to streams?	100
3	Do you currently have land enrolled in Conservation Reserve Program (CRP) buffers or field borders on this tract?	25
4	Are you or will you produce crops in one or more of the following cropping systems on this tract? a. No till high residue crops annually (corn, small grains) b. No till cotton in no more than 2 consecutive years followed by high residue crops c. No till corn silage in a rotation with small grains d. Low residue crops with winter cover crops	200
5	Are you or will you practice nutrient management by following recommendations based on University of Tennessee (UT) soil testing and nutrient guidelines?	100
6	Does the applicant plan to plant Highly Erodible Land (HEL) cropland to permanent vegetation?	150
7	If you convert cropland to permanent vegetation, will you plant native vegetation?	50
8	Has the applicant completed and submitted a Conservation Security Program (CSP) Self Assessment?	10
	Total Points	735

Selected Resource Concerns and Practices:

Air Quality: Chemical Drift
Conservation Crop Rotation (328)
Cover Crop (340)
Critical Area Planting (342)
Filter Strip (393)
Pasture and Hay Planting (512)
Riparian Forest Buffer (391)

Air Quality: Excessive Greenhouse Gas - CO2 (carbon dioxide)
Conservation Crop Rotation (328)
Cover Crop (340)
Critical Area Planting (342)
Mulching (484)
Pasture and Hay Planting (512)
Riparian Forest Buffer (391)

Domestic Animals: Inadequate Quantities and Quality of Feed and Forage
Conservation Crop Rotation (328)
Cover Crop (340)
Critical Area Planting (342)
Fence (382)
Heavy Use Area Protection (561)
Pasture and Hay Planting (512)
Pest Management (595)

Fish and Wildlife: Habitat Fragmentation
Conservation Crop Rotation (328)
Critical Area Planting (342)
Field Border (386)
Filter Strip (393)
Grade Stabilization Structure (410)
Pasture and Hay Planting (512)
Riparian Forest Buffer (391)

Fish and Wildlife: T&E Species: Declining Species, Species of Concern
Conservation Crop Rotation (328)
Cover Crop (340)
Critical Area Planting (342)
Field Border (386)
Filter Strip (393)
Grade Stabilization Structure (410)
Pasture and Hay Planting (512)
Riparian Forest Buffer (391)

Water and Sediment Control Basin (638)

Fish and Wildlife: Threatened and Endangered Fish and Wildlife Species
Conservation Crop Rotation (328)
Cover Crop (340)
Critical Area Planting (342)
Field Border (386)
Filter Strip (393)
Grade Stabilization Structure (410)
Pasture and Hay Planting (512)
Riparian Forest Buffer (391)
Water and Sediment Control Basin (638)

Plant Condition: Noxious and Invasive Plants
Conservation Crop Rotation (328)
Cover Crop (340)
Field Border (386)
Filter Strip (393)
Mulching (484)
Pasture and Hay Planting (512)

Plant Condition: Productivity, Health and Vigor
Conservation Crop Rotation (328)
Critical Area Planting (342)
Field Border (386)
Filter Strip (393)
Grade Stabilization Structure (410)
Mulching (484)
Pasture and Hay Planting (512)
Riparian Forest Buffer (391)
Water and Sediment Control Basin (638)

Plant Condition: T&E Plant Species: Declining Species, Species of Concern
Conservation Crop Rotation (328)
Critical Area Planting (342)
Field Border (386)
Filter Strip (393)
Mulching (484)
Pasture and Hay Planting (512)

Soil Condition: Compaction
Conservation Crop Rotation (328)
Cover Crop (340)
Critical Area Planting (342)
Grassed Waterway (412)

Mulching (484)
Pasture and Hay Planting (512)

Soil Condition: Contaminants-Animal Waste and Other Organics - N
Conservation Crop Rotation (328)
Cover Crop (340)
Critical Area Planting (342)
Grade Stabilization Structure (410)
Grassed Waterway (412)
Mulching (484)
Pasture and Hay Planting (512)
Riparian Forest Buffer (391)

Soil Condition: Contaminants-Animal Waste and Other Organics - P
Conservation Crop Rotation (328)
Cover Crop (340)
Critical Area Planting (342)
Grade Stabilization Structure (410)
Grassed Waterway (412)
Mulching (484)
Pasture and Hay Planting (512)
Riparian Forest Buffer (391)

Soil Condition: Damage from Sediment Deposition
Conservation Crop Rotation (328)
Cover Crop (340)
Critical Area Planting (342)
Grade Stabilization Structure (410)
Grassed Waterway (412)
Mulching (484)
Pasture and Hay Planting (512)
Underground Outlet (620)
Water and Sediment Control Basin (638)

Soil Condition: Organic Matter Depletion
Conservation Crop Rotation (328)
Cover Crop (340)
Critical Area Planting (342)
Grade Stabilization Structure (410)
Mulching (484)
Pasture and Hay Planting (512)

Soil Erosion: Classic Gully
Conservation Crop Rotation (328)
Critical Area Planting (342)

Field Border (386)
Filter Strip (393)
Grade Stabilization Structure (410)
Grassed Waterway (412)
Mulching (484)
Pasture and Hay Planting (512)
Riparian Forest Buffer (391)
Terrace (600)
Underground Outlet (620)
Water and Sediment Control Basin (638)

Soil Erosion: Ephemeral Gully
Conservation Crop Rotation (328)
Cover Crop (340)
Critical Area Planting (342)
Field Border (386)
Filter Strip (393)
Grade Stabilization Structure (410)
Mulching (484)
Pasture and Hay Planting (512)
Terrace (600)
Underground Outlet (620)
Water and Sediment Control Basin (638)

Soil Erosion: Sheet and Rill
Conservation Crop Rotation (328)
Cover Crop (340)
Critical Area Planting (342)
Field Border (386)
Filter Strip (393)
Grade Stabilization Structure (410)
Grassed Waterway (412)
Mulching (484)
Pasture and Hay Planting (512)
Riparian Forest Buffer (391)
Terrace (600)
Underground Outlet (620)
Water and Sediment Control Basin (638)

Soil Erosion: Streambank
Conservation Crop Rotation (328)
Cover Crop (340)
Critical Area Planting (342)
Field Border (386)
Filter Strip (393)

Grade Stabilization Structure (410)
Mulching (484)
Riparian Forest Buffer (391)
Underground Outlet (620)

Water Quality: Excessive Nutrients and Organics in Groundwater
Conservation Crop Rotation (328)
Cover Crop (340)
Critical Area Planting (342)
Field Border (386)
Filter Strip (393)
Grade Stabilization Structure (410)
Grassed Waterway (412)
Mulching (484)
Pasture and Hay Planting (512)
Underground Outlet (620)
Water and Sediment Control Basin (638)

Water Quality: Excessive Nutrients and Organics in Surface Water
Conservation Crop Rotation (328)
Cover Crop (340)
Critical Area Planting (342)
Field Border (386)
Filter Strip (393)
Grade Stabilization Structure (410)
Grassed Waterway (412)
Mulching (484)
Pasture and Hay Planting (512)
Riparian Forest Buffer (391)
Underground Outlet (620)
Water and Sediment Control Basin (638)

Water Quality: Excessive Suspended Sediment and Turbidity in Surface Water
Conservation Crop Rotation (328)
Cover Crop (340)
Critical Area Planting (342)
Field Border (386)
Filter Strip (393)
Grade Stabilization Structure (410)
Grassed Waterway (412)
Mulching (484)
Pasture and Hay Planting (512)
Riparian Forest Buffer (391)
Underground Outlet (620)

Water and Sediment Control Basin (638)

Water Quantity: Excessive Runoff, Flooding, or Ponding
Conservation Crop Rotation (328)
Cover Crop (340)
Critical Area Planting (342)
Field Border (386)
Filter Strip (393)
Grade Stabilization Structure (410)
Grassed Waterway (412)
Mulching (484)
Pasture and Hay Planting (512)
Terrace (600)
Underground Outlet (620)
Water and Sediment Control Basin (638)

Water Quantity: Inefficient Water Use on Irrigated Land
Conservation Crop Rotation (328)
Grade Stabilization Structure (410)

Water Quantity: Reduced Storage of Water Bodies by Sediment Accumulation
Conservation Crop Rotation (328)
Cover Crop (340)
Critical Area Planting (342)
Filter Strip (393)
Grade Stabilization Structure (410)
Mulching (484)
Pasture and Hay Planting (512)
Terrace (600)
Underground Outlet (620)
Water and Sediment Control Basin (638)