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Ranking Tool Summary

for FY2019 - EQIP 2019 Agroforestry (Draft)

Description:

EQIP 2019. This ranking tool is to be used when ranking EQIP 2019 Agroforestry applications.

Land Uses:

Forest

Efficiency Score:

Scoring Multiplier: 37.860

Scoring Ranges and Results Text:

High: 100 - 70	Medium: 69 - 30	Low: 29 - 0
100-70	69-30	29-0

Optional Notes:

National Priorities:

Scoring Multiplier: 1.000

Scoring Ranges and Results Text:

High: 250 - 175	Medium: 174 - 100	Low: 99 - 0
250-175	174-100	99-0

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,	10

	PM10)?	
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

Scoring Ranges and Results Text:

High: 400 - 200	Medium: 199 - 100	Low: 99 - 0
400-200	199-100	99-0

Questions:

Sub-heading Number	Question Number	Question	Points
	1	Soil Erosion and/or Air Quality: Does the applicant plan to establish silvopasture on the offered planning land units through 381 Silvopasture Establishment and/or associated practices?	104
	2	Soil Erosion and/or Air Quality: Does the applicant plan to establish an alley cropping system through 311 Alley Cropping and/or associated practices?	80
	3	Soil Erosion and/or Air Quality: Does the applicant plan to establish 380 Windbreak/Shelterbelt Establishment on the offered planning land units?	76
	4	Soil Erosion and/or Air Quality: Does the applicant plan to establish 391 Riparian Forest Buffer on the offered planning land units?	76
	5	Plant Condition and/or Air Quality: Does the applicant plan to establish a multistory cropping system on the offered planning land units utilizing 666 Forest Stand Improvement, 612 Tree/Shrub Establishment and/or 314 Brush Management?	64
		Maximum Points: 400 Total Points	400

Local Issues:

Scoring Multiplier: 1.000

Scoring Ranges and Results Text:

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High: 250 - 175	Medium: 174 - 100	Low: 99 - 0
250-175	174-100	99-0

Questions:

Sub-heading Number	Question Number	Question	Points
1		Using COMET-Planner (http://comet-planner.com/) to assess the approximate carbon sequestration and greenhouse gas emission reductions for the planned practices. Using the results of the analysis, answer only one (1-4)	
	1	COMET -Planner score Total CO2 Equivalent = 0 to 10	10
	2	COMET -Planner score Total CO2 Equivalent = 10 to 25	25
	3	COMET -Planner score Total CO2 Equivalent = 25 to 50	50
	4	COMET -Planner score Total CO2 Equivalent = > 50	75
2		To address resource benefits associated with increased diversity, answer only one (5-8)	
	5	Does the planned planting include only one woody species?	25
	6	Does the planned planting include 2 to 3 woody species?	50
	7	Does the planned planting include 4 to 5 woody species?	75
	8	Does the planned planting include > 5 woody species?	100
	9	Does the applicant qualify for Limited Resource Farmer, Beginning Farmer, Socially Disadvantaged Farmer or Veteran Farmer?	75
		Maximum Points: 250 Total Points	485

Selected Resource Concerns and Practices:

Air Quality Impacts: Emissions of Greenhouse Gases (GHGs)

- Alley Cropping (311)
- Forest Stand Improvement (666)
- Hedgerow Planting (422)
- Riparian Forest Buffer (391)
- Silvopasture Establishment (381)
- Tree/Shrub Establishment (612)
- Windbreak/Shelterbelt Establishment (380)

Degraded Plant Condition: Excessive Plant Pest Pressure

- Access Control (472)
- Brush Management (314)
- Herbaceous Weed Control (315)
- Prescribed Burning (338)

Degraded Plant Condition: Inadequate Structure and Composition

- Brush Management (314)
- Conservation Cover (327)
- Forage & Biomass Planting (512)

Degraded Plant Condition: Undesirable Plant Productivity and Health

- Fence (382)
- Forest Stand Improvement (666)
- Herbaceous Weed Control (315)
- Prescribed Burning (338)

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

- Conservation Cover (327)
- Firebreak (394)
- Forage & Biomass Planting (512)
- Forest Stand Improvement (666)
- Hedgerow Planting (422)
- Herbaceous Weed Control (315)
- Prescribed Burning (338)

- Riparian Forest Buffer (391)
- Silvopasture Establishment (381)
- Tree/Shrub Establishment (612)
- Tree/Shrub Site Preparation (490)
- Windbreak/Shelterbelt Establishment (380)
- Fish and Wildlife - Inadequate Habitat: Inadequate Habitat - Food Conservation Cover (327)
- Livestock Production Limitation: Inadequate Feed and Forage Fence (382)
- Forage & Biomass Planting (512)
- Soil Erosion: Classic Gully Erosion
 - Alley Cropping (311)
 - Critical Area Planting (342)
 - Mulching (484)
 - Tree/Shrub Establishment (612)
- Soil Erosion: Ephemeral Gully Erosion
 - Alley Cropping (311)
 - Critical Area Planting (342)
 - Mulching (484)
 - Tree/Shrub Establishment (612)
- Soil Erosion: Sheet and Rill Erosion
 - Conservation Cover (327)
 - Critical Area Planting (342)
 - Forage & Biomass Planting (512)
 - Mulching (484)
- Soil Erosion: Streambank, Shoreline, Water Conveyance Channels
 - Access Control (472)
- Soil Quality Degradation: Organic Matter Depletion
 - Alley Cropping (311)
 - Silvopasture Establishment (381)
- Water Quality Degradation: Excess Pathogens and Chemicals from Manure, Bio-solids or Compost Applications in Surface Water
 - Access Control (472)
- Water Quality Degradation: Excessive Sediment in Surface Water
 - Access Control (472)
 - Fence (382)
 - Riparian Forest Buffer (391)
- Water Quality Degradation: Nutrients in Surface water
 - Riparian Forest Buffer (391)

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