



Ranking Pool Report

Ranking Pool: FY21 Statewide High Tunnel System

Program: EQIP

Template: FY2021 EQIP

Last Modified By: Alan Fulk

Pool Status: Active

Template Status: Active

Last Modified: 01-13-2021

Land Uses

| Land Use | Modifier 1 | Modifier 2 | Modifier 3 | Modifier 4 | Modifier 5 | Modifier 6 |
|----------|------------|------------|------------|------------|------------|------------|
| Crop | -- | -- | -- | -- | -- | -- |

Resource Concern Categories

| Categories | | | |
|--|-------|-----------|-------|
| Category | Min % | Default % | Max % |
| Air quality emissions | 0 | 1 | 35 |
| Aquatic habitat | 0 | -- | 35 |
| Concentrated erosion | 0 | -- | 35 |
| Degraded plant condition | 0 | 35 | 35 |
| Field pesticide loss | 0 | 1 | 35 |
| Field sediment, nutrient and pathogen loss | 0 | 6 | 35 |
| Fire management | 0 | -- | 35 |
| Inefficient energy use | 0 | 1 | 35 |
| Livestock production limitation | 0 | -- | 35 |
| Pest pressure | 0 | 35 | 35 |
| Salt losses to water | 0 | 1 | 35 |
| Soil quality limitations | 0 | 1 | 35 |
| Source water depletion | 0 | -- | 35 |
| Storage and handling of pollutants | 0 | 1 | 35 |
| Terrestrial habitat | 0 | -- | 35 |
| Weather resilience | 0 | -- | 35 |
| Wind and water erosion | 0 | 18 | 35 |

| Air quality emissions | | | |
|-----------------------|-------|-----------|-------|
| Resource Concern | Min % | Default % | Max % |

Air quality emissions

| Resource Concern | Min % | Default % | Max % |
|--|-------|-----------|-------|
| Emissions of airborne reactive nitrogen | 0 | 20 | 100 |
| Emissions of greenhouse gases - GHGs | 0 | 20 | 100 |
| Emissions of ozone precursors | 0 | 20 | 100 |
| Emissions of particulate matter (PM) and PM precursors | 0 | 20 | 100 |
| Objectionable odor | 0 | 20 | 100 |

Aquatic habitat

| Resource Concern | Min % | Default % | Max % |
|--|-------|-----------|-------|
| Aquatic habitat for fish and other organisms | 0 | 50 | 100 |
| Elevated water temperature | 0 | 50 | 100 |

Concentrated erosion

| Resource Concern | Min % | Default % | Max % |
|--|-------|-----------|-------|
| Bank erosion from streams, shorelines or water conveyance channels | 0 | 30 | 100 |
| Classic gully erosion | 0 | 35 | 100 |
| Ephemeral gully erosion | 0 | 35 | 100 |

Degraded plant condition

| Resource Concern | Min % | Default % | Max % |
|---------------------------------|-------|-----------|-------|
| Plant productivity and health | 0 | 100 | 100 |
| Plant structure and composition | 0 | -- | 100 |

Field pesticide loss

| Resource Concern | Min % | Default % | Max % |
|---|-------|-----------|-------|
| Pesticides transported to groundwater | 0 | 100 | 100 |
| Pesticides transported to surface water | 0 | -- | 100 |

Field sediment, nutrient and pathogen loss

| Resource Concern | Min % | Default % | Max % |
|---|-------|-----------|-------|
| Nutrients transported to groundwater | 0 | 20 | 100 |
| Nutrients transported to surface water | 0 | 20 | 100 |
| Pathogens and chemicals from manure, biosolids or compost applications transported to groundwater | 0 | 20 | 100 |
| Pathogens and chemicals from manure, biosolids or compost applications transported to surface water | 0 | 20 | 100 |
| Sediment transported to surface water | 0 | 20 | 100 |

Fire management

| Resource Concern | Min % | Default % | Max % |
|---|-------|-----------|-------|
| Wildfire hazard from biomass accumulation | 100 | 100 | 100 |

Inefficient energy use

| Resource Concern | Min % | Default % | Max % |
|--|-------|-----------|-------|
| Energy efficiency of equipment and facilities | 0 | -- | 100 |
| Energy efficiency of farming/ranching practices and field operations | 0 | 100 | 100 |

Livestock production limitation

| Resource Concern | Min % | Default % | Max % |
|---|-------|-----------|-------|
| Feed and forage balance | 0 | 35 | 100 |
| Inadequate livestock shelter | 0 | 30 | 100 |
| Inadequate livestock water quantity, quality and distribution | 0 | 35 | 100 |

Pest pressure

| Resource Concern | Min % | Default % | Max % |
|---------------------|-------|-----------|-------|
| Plant pest pressure | 100 | 100 | 100 |

Salt losses to water

| Resource Concern | Min % | Default % | Max % |
|------------------------------------|-------|-----------|-------|
| Salts transported to groundwater | 0 | 50 | 100 |
| Salts transported to surface water | 0 | 50 | 100 |

Soil quality limitations

| Resource Concern | Min % | Default % | Max % |
|---|-------|-----------|-------|
| Aggregate instability | 0 | 15 | 100 |
| Compaction | 0 | 20 | 100 |
| Concentration of salts or other chemicals | 0 | 15 | 80 |
| Organic matter depletion | 0 | 20 | 100 |
| Soil organism habitat loss or degradation | 0 | 20 | 100 |
| Subsidence | 0 | 10 | 100 |

Source water depletion

| Resource Concern | Min % | Default % | Max % |
|----------------------------------|-------|-----------|-------|
| Groundwater depletion | 5 | 35 | 90 |
| Inefficient irrigation water use | 5 | 35 | 90 |
| Surface water depletion | 5 | 30 | 90 |

Storage and handling of pollutants

| Resource Concern | Min % | Default % | Max % |
|---|-------|-----------|-------|
| Nutrients transported to groundwater | 0 | 25 | 100 |
| Nutrients transported to surface water | 0 | 25 | 100 |
| Petroleum, heavy metals and other pollutants transported to groundwater | 0 | 25 | 100 |
| Petroleum, heavy metals and other pollutants transported to surface water | 0 | 25 | 100 |

Terrestrial habitat

| Resource Concern | Min % | Default % | Max % |
|--|-------|-----------|-------|
| Terrestrial habitat for wildlife and invertebrates | 100 | 100 | 100 |

Weather resilience

| Resource Concern | Min % | Default % | Max % |
|----------------------------------|-------|-----------|-------|
| Drifted snow | 0 | 20 | 100 |
| Naturally available moisture use | 0 | 20 | 100 |
| Ponding and flooding | 0 | 20 | 100 |
| Seasonal high water table | 0 | 20 | 100 |
| Seeps | 0 | 20 | 100 |

Wind and water erosion

| Resource Concern | Min % | Default % | Max % |
|------------------------|-------|-----------|-------|
| Sheet and rill erosion | 0 | 50 | 100 |
| Wind erosion | 0 | 50 | 100 |

Practices

| Practice | Practice Code | Practice Type |
|--------------------|---------------|---------------|
| High Tunnel System | 325 | P |

Ranking Component Weights

| Category | Algorithm | Allowable Min | Default | Allowable Max |
|--------------------------|-----------|---------------|---------|---------------|
| Vulnerabilities | Default | 10 | 20 | 40 |
| Planned Practice Effects | Default | 15 | 15 | 15 |
| Resource Priorities | Default | 20 | 40 | 60 |
| Program Priorities | Default | 5 | 15 | 15 |
| Efficiencies | Default | 10 | 10 | 10 |

Display Group: FY21 Statewide High Tunnel System A (Active)



An asterisk will be displayed to show that it is a conditional section or conditional question.

Survey: Applicability Questions

| Section: Location | | |
|-------------------|------------------|--------|
| Question | Answer Choices | Points |
| WA State | Washington State | -- |
| | Otherwise | -- |

Survey: Category Questions

| Section: High T. | | |
|---|----------------|--------|
| Question | Answer Choices | Points |
| Plan includes a 325 High Tunnel system on existing cropland | YES | -- |
| | NO | -- |

Survey: Program Questions

| Section: State questions: | | |
|---------------------------|----------------|--------|
| Question | Answer Choices | Points |

Section: State questions:

| Question | Answer Choices | Points |
|------------------------|--|--------|
| Select ALL that apply: | The participant requested a plan prior to June 1, 2020. 20 points | 20 |
| | Application is associated with an ALE easement that requires a practice applied as per this plan to treat an endangered species and received points on their easement application ranking. 30 points | 30 |
| | The AD-1155 will contain only practices that are non-engineering. Or, designs have already been reviewed and approved by NRCS. Engineering practices include: 309 - 313 - 316 - 317 - 319 - 320 - 326 - 350 - 351 - 353 - 356 - 360 - 362 - 367 -372 - 373 - 374 - 375 - 376 - 378 - 388 - 395 - 396 - 410 - 412 - 428 - 430 - 441 - 442 - 443 - 449 - 450 - 460 - 464 -500 - 516 - 520 - 521A - 521B - 521C - 521D - 533 - 554 - 558 - 560 - 561 - 570 - 574 - 575 - 578 - 580 - 582 - 584 -585 - 587 - 590 - 592 - 600 - 605 - 606 -607 - 608 - 614 - 620 - 629 - 632 - 633 - 634 - 635 - 636 - 638 - 642 - 654 -655 - 657 - 659 - 670 - 672 -735 - 775. 20 Points | 20 |
| | The AD-1155 will contain only practices that are identified on the current SHPO/THPO agreement as "Undertakings with little to no Potential to Affect Historic Properties". Or, CR has already been reviewed and approved by NRCS. No Potential to Affect Includes: 201, 315, 328, 329, 330, 340, 345, 353, 355, 367, 371, 372, 379, 399, 449, 450, 484, 511,528, 554, 557, 587, 588, 590, 591, 592, 595, 629, 775, 521A, 521B, 521C, 521D, 589C. There are also 30 other practices that are included if certain criteria is met. Please consult the agreement at: https://efotg.sc.egov.usda.gov/ 50 Points | 50 |
| | An applicable water quality practice will be installed within one of the identified source water protection counties. 30 points | 30 |
| | Application has a livestock type tagged on the application home screen. 20 points | 20 |
| | If selected for contracting, this application will allow the participant to become a first-time adopter using all of the planned practices included in CART. Consider adopted practices on all associated agricultural operation(s) that they are involved in. 30 points | 30 |
| | Sorry, none of the above apply. 0 points | 0 |

Survey: Resource Questions

Section: HT Pool specific RC questions

| Question | Answer Choices | Points |
|----------|----------------|--------|
|----------|----------------|--------|

Section: HT Pool specific RC questions

| Question | Answer Choices | Points |
|---|----------------|--------|
| Applicant currently produces crops for sale and consumption that are within commuting distances of farmers markets, fruit/produce distribution centers, or other community facilities. (or is a subsistence producer) 43 pts. | YES | 43 |
| | NO | -- |
| The proposed HTS will extend the growing season for high value crops in an environmentally safe manner and will substantially improve the participant's agricultural operation sustainability. 157 pts. | YES | 157 |
| | NO | -- |