2023 CROP ORGANIC SYSTEM PLAN – SECTION 5

|  |
| --- |
| **Date:** |
| **Customer ID:** AG-C000     OC |
| Legal business name:       |
| DBA:       |

|  |  |
| --- | --- |
| **5. NATURAL RESOURCES, BIODIVERSITY, CONSERVATION, AND WATER** | **NOP 205.200; 205.203(a)** |

**What soil conservation practices do you use?** *(e.g.: low till/no till, cover crop, composting, contour farming, conservation buffers, riparian buffers, wetland, windbreak, interplanting, under-sowing, retention ponds, long term sod, avoid working saturated soils, avoid steep, avoid highly erodible land, etc.)*

What soil erosion problems do you experience and why?

Please describe your efforts to minimize soil erosion:

How do you monitor the effectiveness of your soil conservation program?

*Frequency:*

|  |
| --- |
| Please indicate all water uses at the operation: |
| [ ]  None | [ ]  Livestock | [ ]  Foliar Sprays |
| [ ]  Crops washing | [ ]  Irrigation | [ ]  Greenhouse |
| [ ]  Other:       |

|  |
| --- |
| Water sources: (select all that apply) |
| [ ]  None | [ ]  On-site wells | [ ]  Municipal/ county |
| [ ]  River/ creek/ pond | [ ]  Irrigation district | [ ]  Spring |
| [ ]  Other:       |

|  |
| --- |
| **Type of irrigation system:** |
| [ ]  None | [ ]  Drip | [ ]  Flood |
| [ ]  Center pivot | [ ]  Wheel line | [ ]  Hand line |
| [ ]  Other:       |

Is this system shared with another operator? [ ]  No [ ]  Yes

*If yes, does the other grower inject fertilizers, pesticides, algaecides, sanitizers, or any other substance in the irrigation system?*

**What practices do you use to maintain or improve water conservation?**

*(e.g.: Scheduled use, laser leveling, land forming, drip irrigation, micro-spray, plant regionally appropriate crops, plant drought tolerant natives, encourage infiltration in fields/pastures, etc.)*

**What practices do you use to share water resources with wildlife and or aquatic ecosystems?** *(e.g.: Provide clean water sources for drinking/bathing/nesting, use fish screens with pumps, manage water for priority species, retain/restore vegetated riparian buffers/wetlands, etc.)*

**What practices are used to minimize water pollution?** *(e.g.: fencing livestock, stream crossing, increase organic matter for better infiltration, sediment basin, compost/fertilizer stored away from water, calculate nutrient budgets, prevent nutrient leaching from over-irrigation, established grassed waterways/ terraces/ riparian buffers, etc.)*

How do you monitor the effectiveness of your water conservation and water quality program?

*Frequency:*

List wildlife and dominant native plants present on your farm (note priority species):

**What actions do you take to provide habitat for pollinators, insect predators, birds, bats, and other wildlife?** (*e.g.: Bird/bat boxes and perches, hedgerows, blooming mixed crops, trees, shrubs, timing of field activities, brush piles, wildlife friendly fences, etc.)*

**How are you restoring and/or protecting natural areas?** *(e.g.: Woodlands, grasslands, riparian habitats, replace weedy areas with native species, establish conservation areas, etc.)*

**What actions do you take to control invasive plant/animal species, especially those that threaten natural areas?** *(e.g.: Learn about invasive species, weed/pest free seed usage, planting competing beneficials, biological control, etc.)*

How do you monitor farm biodiversity?

*Frequency:*

|  |  |  |
| --- | --- | --- |
| **Name:**       | **Title:**       | **Date:**       |
| ***I affirm that all statements made in this Organic System Plan are true and correct to the best of my knowledge.*** |