



Operation Name: _____ Date: _____

Crop nutrients and soil fertility must be managed through rotations, cover crops, and applications of plant and animal materials which are managed so that they do not contribute to contamination of crops, soil or water by plant nutrients, pathogens, heavy metals or residues of prohibited substances. The producer must implement cultivation and tillage practices that maintain or improve physical, chemical, and biological conditions of the soil, and minimize soil erosion.

A. Crop Rotation and Soil Management

1) Describe your plan for compliance with the crop rotation practice standard:

Crop rotation is the practice of alternating the annual crops grown on a specific field in a planned pattern or sequence in successive crop years so that crops of the same species or family are not grown repeatedly without interruption on the same field.

Crop rotations must provide the following functions that are applicable to the operation: **maintain or improve soil organic matter content, provide for pest management in annual and perennial crops, manage deficient or excess plant nutrients, and provide erosion control.**

Perennial cropping systems and container production systems must use practices to introduce biological diversity and provide the functions listed above that are applicable to the operation, in lieu of crop rotation. Such practices include but are not limited to alley cropping, intercropping, hedgerows, etc.

a) **If you grow annual crops:** Not applicable, no annual crops

Describe or attach a description of your crop rotation plan. Include: the planned sequence of plant families, cover crops, and any fallow periods; the length of each planting or stage in the sequence; the total length of time to complete the planned rotation sequence.

b) **If you grow perennial or container crops:** Not applicable, no perennial or container crops

Describe or attach a description of your plan to provide for pest management and introduce biological diversity in lieu of crop rotation. Include: any ground cover, cover cropping, alley cropping, intercropping, hedgerows, or other types of diversified plantings; any rotation plan for short-term perennials.

c) Provide any additional explanation or site-specific information that demonstrates how your planned practices maintain or improve soil organic matter, provide for pest management, manage excess or deficient plant nutrients, and/or control erosion.

Not applicable, already described in a) or b) above.

2) What are the major components of your soil fertility and crop nutrient management plan?

- Incorporation of crop residue Manure Compost with manure Compost without manure
- Mined gypsum or limestone Foliar fertilizers Crop rotation Blended fertilizers Mined minerals or powders
- Plant materials Biodynamic preparations Soil inoculants Cover crops including green manures
- Side dressing or drip applications Other describe:

3) List all fertility materials planned for use on your [Grower Materials Application \(OSP Materials List\)](#). Attached

4) List or describe your tillage and cultivation practices in the order performed throughout the crop season and explain how they maintain or improve the physical, chemical, and biological condition of the soil and minimize soil erosion:



B. Monitoring Plan

- 1) How do you monitor the effectiveness of your soil fertility and crop nutrient management plan?
 - Soil organic matter content Crop yield comparison Crop health observation
 - Reduced fertility inputs Reduced pest control inputs Reduced erosion Other (describe): _____

- a) How often is monitoring performed?
 - Daily Weekly Monthly Annually As needed Other: _____

- 2) What type of testing do you perform? *Test results must be available at inspection.*
 - N/A, no testing performed Soil tests Tissue tests Microbiological tests Crop quality testing
 - Other (describe): _____

- a) How often is testing performed?
 - Daily Weekly Monthly Annually As needed Other: _____

C. Erosion Control Not applicable, no erosion problems

- 1) What practices do you use to prevent or minimize erosion?
 - No-till or permanent cover Strip cropping Leveling Contour farming Terraces Cover cropping
 - Conservation (minimum) tillage Micro-irrigate Windbreaks Minimize bare ground via crop rotation
 - Other (describe): _____