



Operation Name: _____ Date: _____

Crop nutrients and soil fertility shall be managed through rotations, cover crops, intercropping, alley cropping, hedgerows or the application 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 cultivator shall 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

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, manage deficient or excess plant nutrients, and provide erosion control.**

Container production systems shall 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.

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

a) **If you grow in-ground cannabis:** Not applicable, no in-ground production

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 cannabis in containers:** Not applicable, no container production

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.

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 cannabis 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 [OCal Cultivator Materials Application \(OSP Materials List\)](#). Attached

4) List or describe your tillage and cultivation practices in the order performed throughout the 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 cannabis nutrient management plan?

- Soil organic matter content Cannabis yield comparison Cannabis 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 Cannabis 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): _____