| OGP [3](#_top): Crop Rotation, Soil Fertility & Nutrient Management Practices | USDA Organic Regulations §205.203, §205.205, §205.601  Regulation (EU) 2018/848 Annex II, 1.9 |
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| **A. CROP ROTATION AND COVER CROPPING**  *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. Perennial cropping systems employ means such as alley cropping, intercropping, and hedgerows to introduce biological diversity in lieu of crop rotation.   1. Which of these tools does your crop rotation utilize:   sod  cover crops  green manure crops  catch crops  leguminous crops  other (specify):   1. Does your crop rotation include annual crops?  Yes  No   If yes, use the table below to describe your crop rotation cycle. Include annual crop families, cover crops, fallow, and multi-cropping where applicable. If using distinct rotations for different land or types of crops, describe each cycle in a separate row.   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | **Cycle Name** | **Year 1** | **Year 2** | **Year 3** | **Year 4** | **Year 5** | | *Ex. Vegetables* | *Brassicas* | *Tomatoes/Potatoes* | *Carrots* | *Greens* | *Cucurbits* | | *Ex. Row crops* | *Soy > cover crop* | *Corn > cover crop* | *Cover crop* | *Fallow* | *Fallow* | |  |  |  |  |  |  | |  |  |  |  |  |  | |  |  |  |  |  |  |  1. Does your operation grow perennial crops?  Yes  No    1. If yes, what practices are used to introduce biological diversity?   alley cropping  intercropping  hedgerows (show on maps)  other, describe:   1. Which of the following functions are achieved by your crop rotation? (Check all that apply)   maintain or increase soil organic matter  prevent weed, pest, and disease problems  provide erosion control  manage deficient or excess plant nutrients   other (specify):   1. Describe how you monitor the effectiveness of your crop rotation practices, and how often. | |
| **B. SOIL FERTILITY AND CROP NUTRIENT MANAGEMENT**   1. What are your general soil types? 2. What tillage, cultivation, and management practices are used to improve the condition of soil and minimize erosion?  |  |  |  |  | | --- | --- | --- | --- | | crop rotation | cover crops | fallow | incorporation of crop/cover crop residues | | interplanting | soil amendments | soil inoculants | soil surface mulching | | compost | manure | side dressing | biodynamic preparations | | terraces | contour farming | strip cropping | conservation tillage | | tree lines | retention ponds | windbreaks | riparian vegetation | | other (specify): | | | | |  1. How do you monitor the effectiveness of soil fertility and crop nutrient management practices:  |  |  |  |  | | --- | --- | --- | --- | | soil testing | plant tissue testing | observation of soil | microbiological testing | | crop quality testing | observing crop health | crop yield |  | | other (specify): | | | |  1. How often do you monitor? 2. What are your nutrient deficiencies? 3. Do you apply synthetic micronutrients to your crops?  Yes  No If yes, list synthetic micronutrients on **OGP 9 Inputs** and attach soil or tissue test documenting applicable deficiencies where synthetic micronutrients are applied*.*   **Attached** 4. Do you currently, or plan to use, a fertilizer with sodium nitrate (NaNO3)?  Yes  No If yes, fill out and attach the Sodium Nitrate Compliance Verification worksheet with your OSP.  **Attached** 5. Do you apply or plan to apply calcium chloride as a foliar spray to treat a physiological disorder associated with calcium uptake?   Yes  No    1. If yes, to what crop(s)?    2. How are physiological disorders identified and documented? 6. Do you burn or plan to burn crop residue?  Yes  No    1. If yes, what is the reason?  disease suppression  stimulate seed germination   other (specify): 7. Have you applied sewage sludge, including domestic septage, to any field?  Yes  No    1. If yes, list dates and fields: 8. Describe how you manage plant and animal materials to prevent contamination of crops, soil, or water by plant nutrients:  |  |  | | --- | --- | | Application under plastic mulch | Precision irrigation | | Application timing | Terracing, diversion ditches, waterways, and/or swales | | Multiple applications in small doses | Precision application | | High soil cation exchange capacity | Incorporation of plant nutrients into soil | | Not applying materials near base of a slope | Planting cash crops or cover crops | | Apply only when analysis shows nutrient deficiency |  | | Other: | | | |