| OGP 0[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. Does your crop rotation include annual crops?  Yes  No. *Skip to Question 2.*   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. *Skip to Section B.*    1. If yes, what practices are used to introduce biological diversity?   Alley cropping  Intercropping  Hedgerows (show on maps)  Other. Please describe: | |
| **B. SOIL FERTILITY AND CROP NUTRIENT MANAGEMENT**  *Crop nutrients and soil fertility must be managed through rotations, cover crops, and applications of plant and animal materials which are managed so they do not contribute to the contamination of crops, soil or water by plant nutrients, pathogens, heavy metals or residues of prohibited substances. Producers must utilize practices that maintain or improve physical, chemical, and biological conditions of the soil and minimize soil erosion.*   1. What are your general soil types? 2. What tillage, cultivation, and management practices do you use as part of your soil fertility and crop nutrient management plan?  |  |  |  |  | | --- | --- | --- | --- | | Crop rotation | Cover crops | Fallow | Incorporation of crop/cover crop residues | | Interplanting | Mined minerals | Soil inoculants | Soil surface mulching | | Compost | Manure | Side dressing | Biodynamic preparations | | Subsoiling | Other. Please specify: |  |  |  1. Do you apply synthetic micronutrients to your crops?  Yes  No. *Skip to Question 4.* If yes, list synthetic micronutrients on **OGP 09: Inputs** and attach soil or tissue test documenting applicable deficiencies where synthetic micronutrients are applied*.*   **Attached** 2. Do you currently, or plan to use a fertilizer with sodium nitrate (NaNO3)?  Yes  No. *Skip to Question 5.*  If yes, attach the [Sodium Nitrate Compliance Verification](https://qcsinfo.org/library/) with your OSP.  **Attached** 3. Do you apply or plan to apply calcium chloride as a foliar spray to treat a physiological disorder associated with calcium uptake?   Yes  No. *Skip to Question 6.*    1. If yes, to what crop(s)?    2. How are physiological disorders identified and documented? 4. Do you burn or plan to burn crop residue?  Yes  No. *Skip to Question 7.*   If yes, what is the reason?  Disease suppression  Stimulate seed germination   Other. Please specify:   1. Have you applied sewage sludge, including domestic septage, to any field?  Yes  No. *Skip to Question 8.*   If yes, list dates and fields:   1. How do you ensure your use of crop nutrients and soil amendments improves soil and water quality and does not contribute to the contamination of crops, soil, or water? Check all that apply.  |  |  | | --- | --- | | Application under plastic mulch | Precision irrigation | | Application timing | Use of terracing, diversion ditches, waterways, and/or swales | | Multiple applications in small doses | Precision application | | High soil cation exchange capacity | Incorporating plant nutrients into soil | | Not applying materials near base of a slope | Planting cash crops or cover crops | | Applying only when analysis shows nutrient deficiency | Other. Please specify: |  1. How do you monitor the effectiveness of your soil fertility and crop nutrient management plan?  |  |  |  |  | | --- | --- | --- | --- | | Soil testing | Plant tissue testing | Observation of soil | Microbiological testing | | Crop quality testing | Observing crop health | Crop yield comparison | Other. Please specify: |  * 1. How often is monitoring performed?  Weekly  Monthly  Annually  As needed  Other. Please specify: | |