CSI Organic Production System Plan for Crops Grown in Structures or Containers and/or Sprouts, Shoots and Microgreens

If you are conducting any activities post-production (e.g., washing, packaging, labeling), then you must complete the CSI On-Farm Handling System Plan (ORG_FAR_11), and submit it with your application. If you are conducting any processing activities (e.g., altering the form of the original product by cutting), then you must complete the CSI Processor System Plan (ORG_PRO_04).

Please attach the following:

- *ORG_FAR_25_General Production OSP*
- *A current map(s) of all greenhouses, detailing those included in the organic application, the major production crop types in each greenhouse and the setup of each greenhouse, including measurements for calculation of growing area.*
- *A complete supplier list of all seeds and/or planting stock.*
- *Labels, spec sheets and/or Safety Data Sheets (SDS) for all potting mixes, soil, fertility inputs and/or disease/pest control inputs.*

SECTION 1: GENERAL INFORMATION	
Applicant (Legal Name)	**Date:**

SECTION 2: STRUCTURE OR CONTAINER INFORMATION

A. TYPE OF PRODUCTION

Provide a general description of the production activities (e.g., organic vs. conventional, in-ground vs. container production, etc.) at your operation.

Please complete the CSI **Field History Sheet form (ORG_FAR_02_Farm field history)** if your structure is an in-ground system. In-ground systems will require 36 months of field history and transition and must be under the supervision of CSI for the last 15 months of transition.

☐ **Attached**

Please indicate your yields by crop kind for the previous year (or attach records showing your yields) and indicate your expected yield by crop kind for the coming year.

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B. PHYSICAL DESCRIPTION

How many buildings are included in the organic application?

What is the size of each structure (in m^2 or ft^2)?

What amount of this area is actual growing space?

Describe the materials used in the construction of the structure(s) (e.g., glass, lumber, existing building, etc.).

A list of all equipment used in structure or container production must be maintained, including information on ownership (owned, rented or custom), use (organic, conventional or both) and clean-out.

SECTION 3: SEEDS, SEEDLINGS AND PLANTING STOCK

Please complete the **Listing of Seeds, Seedlings and Planting Stock form (ORG_FAR_06_Seed listing)**, being sure to identify the organic standard to which the seeds, seedlings and/or planting stock are certified, and to ensure that any seed purchased from suppliers outside of Canada (i.e., NOP-certified seed) has an organic certificate confirming that the seed is equivalent to COR.

☐ **Attached**

Non-Organic Seed and Planting Stock ☐ **Not applicable**

If you did not use organic seed, please complete the **CSI Commercial Availability Search Record (ORG_06_Commercial Availability Search)** or provide equivalent supporting documentation.

☐ **Attached**

If as a result of your commercial availability search you have sourced conventional, untreated seed of a crop kind which has a GE type (e.g., corn, soybeans, canola, etc.), please have your seed supplier complete the **CSI Declaration of GE Status (ORG_02_Non-GE Declaration).**

☐ **Attached**

If planting stock is perennial and non-organic, the producer must supply evidence that the planting stock was harvested after plants had been maintained in accordance with the standard for one year.

☐ **Attached**

Are crops harvested within 30 days of imbibition? ☐ **Yes** ☐ **No**

If YES, organic seed shall be used.

Please describe how you record what crop kind and/or variety is planted in the structure.

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Do you purchase seedlings from an off-farm supplier? ☐ **Yes** ☐ **No**

If yes, attach the current organic certificate for the seedling producer.

Seed Treatments ☐ **Not applicable**

For seed treatments, including inoculants, submit the product labels for review and approval by CSI prior to applying any product to your seed.

☐ **Attached**

SECTION 4: SPLIT/PARALLEL PRODUCTION

Is all structure or container production included in your organic application? ☐ **Yes** ☐
No

If no, please indicate which aspects of the operation are considered conventional production.

What steps have you taken to segregate organic and conventional production if it is occurring in the same greenhouse, or in separate greenhouses?

SECTION 5: GROWING CONDITIONS

A. GROWING MEDIA

All soil mixes used in the structure or container operations must be reviewed and approved for use by CSI. Please submit a product label and/or spec sheet for each soil mix used.

☐ **Attached**

Do you use any wetting agents in your growing media? ☐ **Yes** ☐ **No**

If yes, please submit information about the wetting agents (product label or spec sheet).

Does your soil contain at least 2% by dry weight or volume of minerals (sand, silt, and clay, excluding perlite and vermiculite) at the start of the production cycle? ☐ **Yes** ☐ **No**

Does your soil contain at least 10% by volume of compost (exception: seedling/starter mixes)? ☐ **Yes** ☐ **No**

Does your soil contain a biological fraction? ☐ **Yes** ☐ **No**

How do you manage fertility in the structure or containers? Please describe your plan.

Do you re-use your soil in the greenhouse or on another crop? ☐ **Yes** ☐ **No**

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If **NO**, please explain the reasons why:

For containerized, semi-indeterminate and indeterminate staked crops (i.e., tomatoes, peppers, cucumbers, eggplant):

☐ **Not applicable**

Are additional compost applications included in the fertility program? ☐ **Yes** ☐ **No**

Is the maintained soil volume at least 60 L/m^2 (1.2 gal/ft^2), based on the photosynthetic area? ☐ **Yes** ☐ **No**

Are you a production unit existing prior to November 2016 that has been continuously managed organically by the same operator, has not had major renovations, has not changed production area and do not comply with 7.5.2.4 b) (soil volume at least 60 L/m^2 (1.2 gal/ft^2))?

☐ **Yes** ☐ **No**

If **YES**, you may continue producing staked crops using a soil volume smaller than 60 L/m^2 (1.2 gal/ft^2).

For containerized crops which are NOT classified as semi-indeterminate and indeterminate staked crops (i.e., tomatoes, peppers, cucumbers, eggplant):

☐ **Not applicable**

Is the maintained soil volume at least 2.5 L/m^2 (0.66 gal/ft^2), based on the photosynthetic area per week of production time?

☐ **Yes** ☐ **No**

Please indicate what type of growing containers are used (e.g., flats, individual pots, etc.) and the material they are made of.

Are these containers reusable and recyclable? ☐ **Yes** ☐ **No**

How do you prevent damping-off in the structure?

Please describe your soil regeneration and recycling procedures.

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B. IRRIGATION

What is the source of the water used in production?

How often is water quality analyzed?

Please attach the most recent water quality analysis report.

Please describe the irrigation procedures, including the type of equipment used.

C. SANITATION (Plant containers; pots; flats; etc.)

Please describe your sanitation and disinfection procedures, including frequency and products used.

Do you use steam-heat sterilization to sanitize? ☐ **Yes** ☐ **No**

Please attach a copy of any labels associated with the disinfection/sanitation products used. Each product used must be reviewed by CSI to ensure that it is acceptable. ☐ **Attached**

D. ENVIRONMENTAL CONDITIONS:

What is the heat source for the structure, and how is it vented?

Is sunlight the primary source of light? ☐ **Yes** ☐ **No**

Is artificial light used? ☐ **Yes** ☐ **No**

If yes, please describe the source.

Are carbon dioxide levels artificially enriched in the structure? ☐ **Yes** ☐ **No**

If yes, please describe the method of enrichment (e.g., flame, fermentation, compressed gas, etc.).

E. GROWTH STIMULATORS: ☐ **Not applicable**

Please list any substances used for growth stimulation, provide copies of labels or product spec sheets, and ensure that all growth stimulation products have been reviewed and approved by CSI prior to use.

SECTION 6: PEST AND DISEASE MANAGEMENT

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A. PESTS:

What are your problem insects?

Please describe your pest monitoring program.

Please describe your pest control program (i.e., in-house or contracted company, methods used, products used, what records are kept, etc.).

Where are your pest control products stored?

Please attach the labels for each pest control product used in production for review and approval by CSI. ☐ **Attached**

B. DISEASES:

What are your problem diseases?

Please describe your disease control program (i.e., in-house or contracted company, methods used, products used, what records are kept, etc.).

Where are your disease control products stored?

Please attach the labels for each disease control product used in the greenhouse for review and approval by CSI. ☐ **Attached**

SECTION 7: SPROUTS, SHOOTS AND MICRO-GREENS PRODUCTION ☐ Not applicable

Please list the types of sprouts, shoots and/or micro-greens you intend to produce.

Please describe your production system.

Evidence is on file that water (e.g., potable water, distilled or processed by osmosis) meets or exceeds drinking water guidelines for quality, including microbial and chemical contaminant levels.

☐ **Yes** ☐ **No**

Please provide documentation to CSI for review of all substances used for cleaning or sanitation of seed or harvested product. Please list all substances used below.

SECTION 8: MAINTENANCE OF ORGANIC INTEGRITY

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A. HARVEST CONTAINERS

How are your organic crops harvested? ☐ mechanical ☐ by hand

What containers are used for harvesting? ☐ gravity wagons/boxes ☐ truck boxes
☐ cardboard/waxed boxes ☐ wooden totes
☐ plastic containers ☐ other _____

Are the harvest containers used for organic crops only? ☐ **Yes** ☐ **No**

Are the harvest containers cleaned prior to organic crop harvesting? ☐ **Yes** ☐ **No**

What potential contamination or co-mingling problems do you have with harvest or transport of organic crops?

B. CROP STORAGE: ☐ **No organic crop storage**

A list must be maintained of all storage areas associated with the farm (both on-farm and off-farm sites) that allows for a running inventory of organic product.

Describe the identification system you have established for your storage area to permit traceability and prevent any commingling or contamination of the organic product.

Do you use the same storage areas for organic, transitional, and conventional crops? ☐ **Yes** ☐ **No**

If yes, describe how you segregate organic crops from non-organic crops?

If yes, describe how you clean storage units prior to storage of organic crops?

Does your clean-out of your storage area prevent the following:

- commingling with other organic products not certified to the same standard ☐ **Yes** ☐ **No**
- commingling with conventional product ☐ **Yes** ☐ **No**
- contamination of organic crops from non-approved substances. ☐ **Yes** ☐ **No**

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Please submit a copy of your completed system plan and all attachments to:

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Ottawa, Ontario
K1P 6A4

1-800-516-3300
FAX: 613-236-7000
Email: info@seeds-canada.ca

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