

Greenhouse production

This is a summary of the Organic Canadian standard CAN/CGSB-32.310-2015.

You can access the official detailed standard here
<http://www.ecocertcanada.com/content/documents-and-forms>

Production system (7.5)

- Soil and crop production units with an in-ground permanent soil system **OR** with a container system; with soil free of prohibited substances prohibited
- **Hydroponics and aeroponics are not allowed under organic production.**

Registration (COR, Annex 1)

- In the case of an initial application for an organic certification of crops grown in greenhouses with **an in-ground permanent soil system**, the application for certification must be filed 15 months before the day on which the product is expected to be marketed.

Soil (7.5.4)

- The soil (growth media) shall contain a mineral fraction (sand, silt or clay) and an organic fraction; it shall support life and ecosystem diversity

Containers
(7.5.5)

- **For to containerized, staked crops:**
- at the start of production, the total volume of soil shall consist of at least 10% compost;
- compost shall be included in the fertility program;
- containers shall be at least 30 cm (12 in.) high; and
- the soil volume shall be at least 70 L/m² (15.4 gal./10.8 ft²), based on the total growing area.

Allowed
Process
(7.5.10)

- Full spectrum light
- Enrich carbon dioxide levels through the following: Flame, fermentation, composting, compressed CO₂ gas.
- Steam heat sterilization of equipment
- Control of daily temperature and light levels.
- Low- temperature baking, hot-water treatment, steam treatment.

Disease and
Insect control
(7.5.11)

- Permitted substances
- Pruning
- Rouging
- Vacuuming
- Air filters, screens or other physical devices
- Biological control methods

Soil
Regeneration
(7.5.12)

- Crop rotation
- Grafting of plants on disease-resistant rootstock,
- Winter soil-freezing,
- Soil regeneration by incorporating biodegradable plant mulch (e.g. straw or hay),
- Partial or complete replacement of greenhouse soil or container soil, provided it is re-used outside the greenhouse for another crop.