

Farm at a Glance

Growcer's modular hydroponic farms are designed with you and your community in mind. By harnessing the power of hydroponics, we've created new opportunities to grow produce all year round and build a healthier, more sustainable future.



100%
designed & built
in Canada

95%
less land

140+
cultivars grown to date

24/7
remote monitoring
and support

90%
less water with
hydroponic farming

896
mature heads of fresh
greens grown weekly

+/-40 °C
proven in extreme
climates

25 hours
per week to operate
and user-friendly

*The farm can grow in even lower temperatures when the Arctic package is included.





CAREFULLY CONSIDERED

100% designed and built in Canada using food safety-compliant design and materials.

EASY IMPLEMENTATION

Built and inspected to comply with the National Building Code.

RELIABLE

Rugged design built for a 30 year lifespan with a one-year warranty on workmanship and OEM warranties on components.



Growcer farms are crafted using structural insulated panels (SIP), allowing your farm to have:

- Longer lifespan compared to upcycled shipping containers
- Better insulation, energy efficiency, and temperature control
- Wider aisle allowing for efficient, user-friendly workflow
- Functional improvements like a slanted roof to improve water flow
- Easier building permit processes
- Panels have a 51 minute fire rating with options available to increase the fire rating to 1 to 2 hours if needed



CONTROLLED ENVIRONMENT

Full environmental control is achieved through automation systems optimizing the growing environment in real-time.

OPTIMIZED AIRFLOW

Professionally engineered air distribution system with specially-designed vertical airflow system to optimize plant growth.

VERSATILE

Power use is approximately 80,305 kWh annually in a four-season climate, or 76,000 kWh in a cold climate with arctic upgrades applied. Heating options include electric or heating oil/propane for arctic upgrades.

Growcer is the leading agri-tech provider in Canada and continuously builds with you in mind, improving our farms based on grower experiences and the latest industry advancements.

Yields

Total growing surface area of **41.5m²** in the growing area and **3m²** in the seedling area.



Growing racks feature 1,800 to 2,688 planting sites

Seedling station nursery features 1,200 to 3,200 seedling slots

Up to **2,688 planting slots** yielding more than **896 mature plants** weekly, no matter the weather.

Growcer's yield benchmarks are:



For commercial size crops - similar to what you find in the grocery store



Validated and proven by our in-house research team and network of growers



Always being optimized - we help you get the most out of your farm

Installation

Configured for easy transport by truck, train or boat, Growcer's modular farms are built to be turn-key with minimal setup. You will need:



SPACE

We recommend a 4' clearance area around the farm, so a 48' by 18' total clearance area is recommended. All our farms are National Building Code compliant and Growcer assists with zoning, site selection and building permits.



WATER

You can connect your farm directly to a water source or have the option to fill with a garden hose or water truck. A Growcer farm requires approximately 1,900-2,200 litres (L) of water per month.



POWER

You will require a 200A, 240-volt single phase power supply. On-site or hired electricians complete the hook-up. For our standard unit we have an annual consumption of around 80,305 kWh. Backup generator add-ons are also available.



INTERNET

A hardwired internet connection is preferred. A dual-band router is recommended to ensure maximum compatibility with existing and future components.



STORAGE

Once you start harvesting, you'll need a dry and refrigerated place to store all your produce. You can source fridges or larger storage spaces like Farm Hubs, dry storage, and cold storage options from Growcer.

It is possible to power our farms with solar panels, but it's a custom option that you'd have to explore the feasibility of with our team first.

Contact Growcer and we can help you figure out the details from there!