ZIPPOD™
POWERED BY ZIPGROW™

BUYERS GUIDE

Fresh Food Production
Wherever, Whenever.

The ZipPod

The next generation of container farming

The ZipPod is a turn-key, fully functioning hydroponic farm in a composite-steel container. Specifically built to grow lush, healthy plants, it localizes food production, eliminates supply chain headaches, and is capable of growing food virtually anywhere on earth.

Backed by years of research on optimal efficiencies for container farming systems, the ZipPod is engineered to prioritize maximum productivity and provide a safe, efficient ergonomic workspace for modern-day farmers. The ZipPod differs from standard containers, providing an additional 1500 cubic ft. of space to increase air circulation, a critical environment for producing quality crop yields indoors.

The ZipPod harnesses the power of ZipGrow's patented hydroponic Tower technology, which farmers and home growers worldwide have used for over a decade. Adopting the knowledge of plant health scientists, lighting specialists, and indoor farming experts, the innovative design allows for high-density crop production and seamless workflow. It boasts the most space-efficient equipment in controlled environment agriculture, including an advanced HVAC system and custom-controlled plumbing, allowing growers to target specific rows for flushing and irrigation.

The portability of the farm allows for quick expansion and deployment of your farming operation while limiting the overhead costs of warehouse development and leasing; CSA electrical certified, the ZipPod can connect anywhere in North America with a 200-amp electrical service and access to a water supply. Set up food production quickly and grow fresh produce in an environment that prioritizes plant health and human health.

Features

The Container

Built For Full Climate Control

The supersized 10’ x 10’ x 40’ container allows for increased air circulation and quality crop yields. With composite, rust-resistant panels rated at R22, the ZipPod can operate anywhere on earth and maintain an optimum controlled environment indoors.

Purpose-built LEDs

ZipGlow Performance Lighting System

Customized, slim profile, 2-sided LEDs are purpose-built from decades of research and testing. High-efficiency LEDs mean lower unit BTU and reduced operating costs. Best spectrum lighting for diverse crops in leafy greens and fruiting crops. Produces superior plant flavor and increased plant density.

Climate Control

Replicate Any Growing Condition

A truly controlled environment results in consistently uniform and productive crop yields.This includes temperature, CO2 levels, and humidity. Cloud-based for convenience but also fully functional offline. The ZipPod include a climate control system that reduces energy consumption by up to 50%. Air-homogenization delivers the perfect environment at every moment.

Maximize Crop space

Highly Productive Systems

The amplified growing space includes 240- 8 foot ZipGrow Towers with over 3,800 plant sites. The Tower drip emitter systems allow for taller stature crops, increased air circulation and the most efficient use of space. Use the full height of the container while still maintaining workability.

Sustainable Farming

Vertical Hydroponic Growing Perfection

Think outside the box and grow in it. The ZipPod is a profitable indoor controlled environment farm, providing food security to communities by delivering perfect produce all year-round. Globally 1/3 of all food produced is wasted due to spoilage alone, by shortening food miles and growing large volumes of crops within a small footprint the ZipPod produces fresh crops where and when you need them in the fraction of the space.

Energy-efficient and adjustable components use less than 30% of the energy of a large soil-based farm. By re-circulating the water through a filter system, the hydroponic vertical Towers use up to 95% less water than traditional agriculture with no harmful chemicals, pesticides, or herbicides needed. With fewer days between harvest and consumption the produce grown in a ZipPod is more nutritious and tastes better. A win-win for farmers and customers.

Built for Extreme Conditions

From The Desert to the Arctic

The ZipPod System is purpose-built for extreme conditions and small spaces. Developed for placement around the globe to deliver perfect produce year-round. Each farm serves a unique purpose in the diversity and scalability of a farmer's business. Suitable for use in areas +/- 45C (-50F to 115F).

Product Details

The ZipPod is constructed from a 40' x 10' x 10' pre-fabricated composite steel container with R22 insulation value. The container interior features advanced climate controls and can simulate different growing environments. Each system is equipped with a stainless steel workspace which is powder coated and mold-resistant.

Electrical

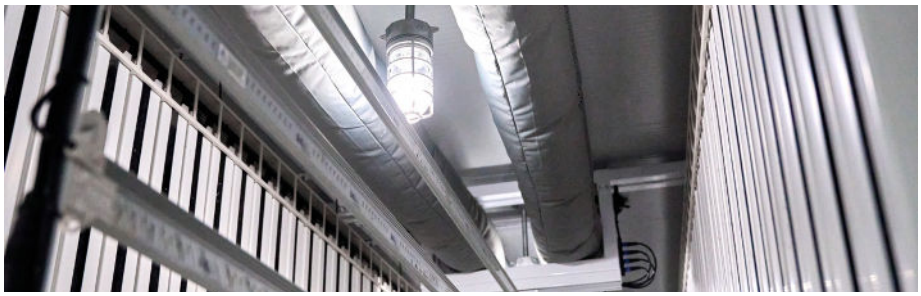
- 200 amp 120/240 volt single phase

Plant Sites

- 240 8-foot ZipGrow™ towers
- Over 3800 plant sites
- Compatible with compostable Growfoam® plugs or peat plugs

Irrigation

- Overhead drip irrigation
- Automated delivery schedules
- Automated pH and nutrient dosing

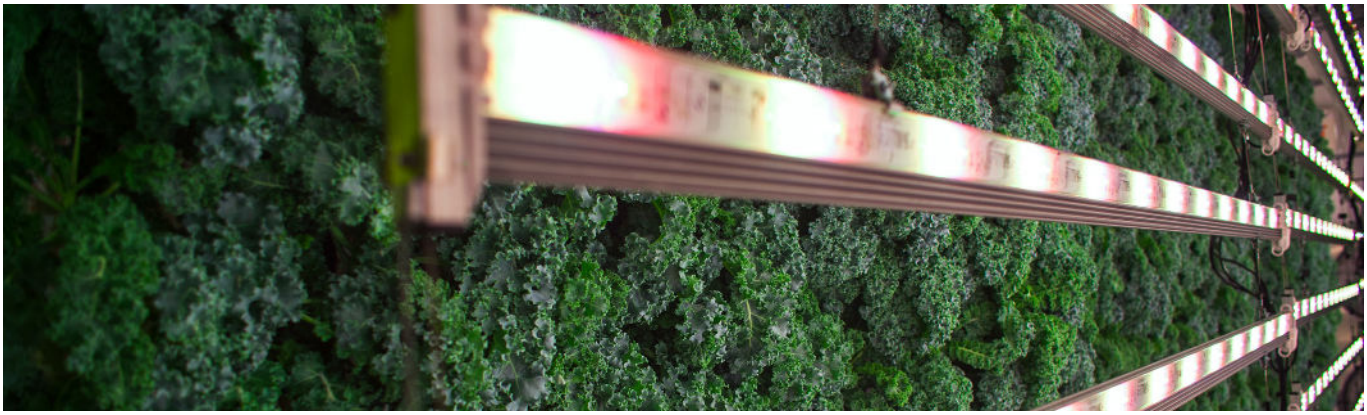


Climate

- 60,000 BTU A/C for industrial temperature and humidity control
- A truly controlled environment purpose built for Controlled Environment Agriculture results in consistently uniform and productive crop yields.

Lighting

- Patented LED lighting system designed specifically for use with ZipGrow™ Towers
- Customizable day / night scheduling
- Maximize production and flavor profile with tailored spectrum for leafy greens and herbs



Nursery and Fertigation Table

- Multi function oversized fertigation table at 40" wide x 120" long x 40" high for seeding, transplanting, harvesting and packaging.
- Centrally positioned for better workflow
- Independent lighting system to foster early stage seedling growth
- Built tough from 316 Stainless steel
- Ebb & flow irrigation system provides scheduled watering and nutrient cycles

The ZipPod $179,000 USD

Included in the purchase price:

- 240 8' ZipGrow Towers
- 60 LED lights
- R22 insulated walls
- Composite steel frame and rust-proof walls
- Powerful climate control (HVAC / CO2 / Humidity)
- Fertigation table
- Automated nutrient dosing system
- Internet dashboard
- Seedling station
- 40ft x 10ft x 10ft unit
- 2 entry / exit points
- Reverse osmosis system
- 1 year free access to UpStart University

Cost does not include shipping and start-up costs. The ZipPod is CSA approved for use in Canada up to -45C and requires a 200 amp electrical service.

Payment Schedule

- 50% down payment to process order
- 50% within 30 days prior to shipment

*Shipping rates depend on a wide variety of factors, Please contact our team to get a shipping estimate.

Operating Costs

The costs of operating a farm will vary depending on your local electricity rates and a few other variables, but the following is a rough outline of the yearly operational expenses for a farm in Canada. We estimate operating a farm will cost between $17,000 and $20,000 USD per year.

Power

250 Kwh/Day

Each farm uses approximately 250 kwh per day. We estimate the national average cost of electricity to be approximately $0.16 per kwh. That's roughly $1200 per month.

Water

40 Litres/Day

The Primary Module uses up to 40 litres of water per day. To ensure maximum water efficiency, our farms capture and reuse about 200 litres of plant transpiration every day.

Supply

~$300/Month

This varies, there are nutrients and seeds neeeded to grow plants, air filters to be changed, CO2 supplementation and sanitization supplies to be replaced. All farmers are automatically enrolled in ZipGrow's membership program and are eligible for discounted supplies.

Other

There are other variable expenses such as insurance, packaging and labels, internet connectivity and rent if you are in a commercial location.

Monthly Operating Costs

Electricity

$1200-

Growing supplies

$300-

Variable Monthly Costs

Internet Access, Packaging and labels, Labour(~20 hours per week), Rent

Packaging and label supplies can be your biggest monthly expense if operating a commercial farm. Typically, these costs can range from $0.15 to $0.35 per unit.

Farm Yields

Farms can be setup to grow more than one crop at a time to maximize the variety of leafy greens. The team at ZipGrow Inc. is able to work with you to create the maximum yield for your project's goal.

There are a variety of leafy greens, herbs, lettuces and several other plant types that will grow very well in the ZipGrow tower system. For more information on crop varieties please contact ZipGrow.

Lettuce

Variety	Annual Yield		
	2.0 oz head	3.5 oz head	5.0 oz head
Bibb, Butterhead, Leaf, Romain	83,200 heads	53,040 heads	37.440 heads

Leafy Greens

Variety	Annual Yield
Arugula	3,040 kg
Kale	5,200 kg
Bok Choi	5,040 kg
Cut Green Mix	4,000 kg

Herbs

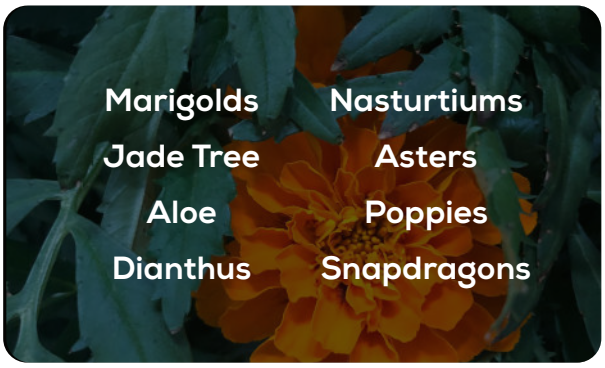
Variety	Annual Yield*
Basil	3,200 kg
Chives	3,200 kg
Dill	2,160 kg
Parsley	2,160 kg
Cilantro	1,800 kg
Mint	2,560 kg

*Annual Yield in a Single-Crop Farm

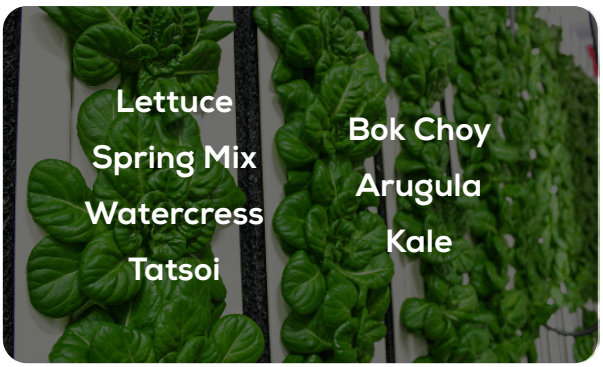
What can you grow with our small hydroponic system?*

Herbs

Decorative



Leafy Greens



Fruiting

*This is just a sample of recommended crops you can grow in a ZipGrow Tower.

Know and Grow

A one-year subscription to **UpStart University** is included with the purchase of a ZipPod. This platform helps ZipGrowers navigate the hurdles and get the skills to produce fresh, healthy food faster and sell for a profit with less stress.

From the fundamentals of hydroponics to the business and economics of operating a productive working farm, UpStart University is the perfect tool. Our online educational portal has helped thousands of people become skilled hydroponic growers.

Access 24/7 and go at your own pace.

Optional **on-site training** ($$$) is also available.

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