

Greenfield Hydroponics

Cultivating a Sustainable Future

Controlled Environment Agriculture bringing fresh, organic produce to urban communities



What is Controlled Environment Agriculture (CEA)?

Definition

CEA is a technology that allows for growing food in controlled environments, ensuring optimal conditions for plant growth.

- Sealed greenhouses and vertical farms with full climate control
- Soil-free hydroponic nutrient delivery, using up to 95% less water
- Light, temperature, humidity and CO2 tuned to each crop

Up to 95%

less water than open-field farming

Benefits

CEA offers numerous advantages, including pesticide-free produce, optimized water and energy use, year-round local production, and improved food traceability and safety.

- Year-round harvests, independent of weather or season
- Pesticide-free produce with seed-to-shelf traceability
- Grown beside the point of sale, cutting transport miles

365 days

of harvest, every year



Greenfield's CEA Technologies



1 Hydroponics
Soil-free cultivation using optimized nutrient solutions for plant growth.

2 LED Lighting
Mimicking sunlight to ensure optimal plant development.

3 Environmental Control
Monitoring and regulating temperature, humidity, and CO₂ levels.

4 Automation
Intelligent systems for irrigation and nutrient management.



Greenfield's Vertical Farming Solutions

Maximizing space utilization with a vertical design, ideal for leafy greens & microgreens.



Vertical Towers

Versatile structures for cultivating a wide range of vegetables with efficient irrigation systems.



Vertical Channels



Cultivable Vegetables in Our Systems

Leafy Greens

Lettuce, Arugula, Spinach, Kale

Tomatoes

Cherry, Heirloom, Roma

Microgreens

Radishes, Arugula, Basil

Others

Cucumbers, Eggplants, Peppers,
Melons, Strawberries, Squash





Advantages of Growing with Greenfield Hydroponics in your Gated Communities



Local Production

Freshness guaranteed with production in closed communities.



Sustainability

Reduced environmental impact through efficient resource utilization.



Fast Commercialization

Products available immediately after harvest.



Food Integrity

Complete traceability from farm to table.

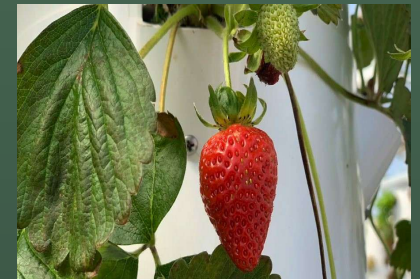


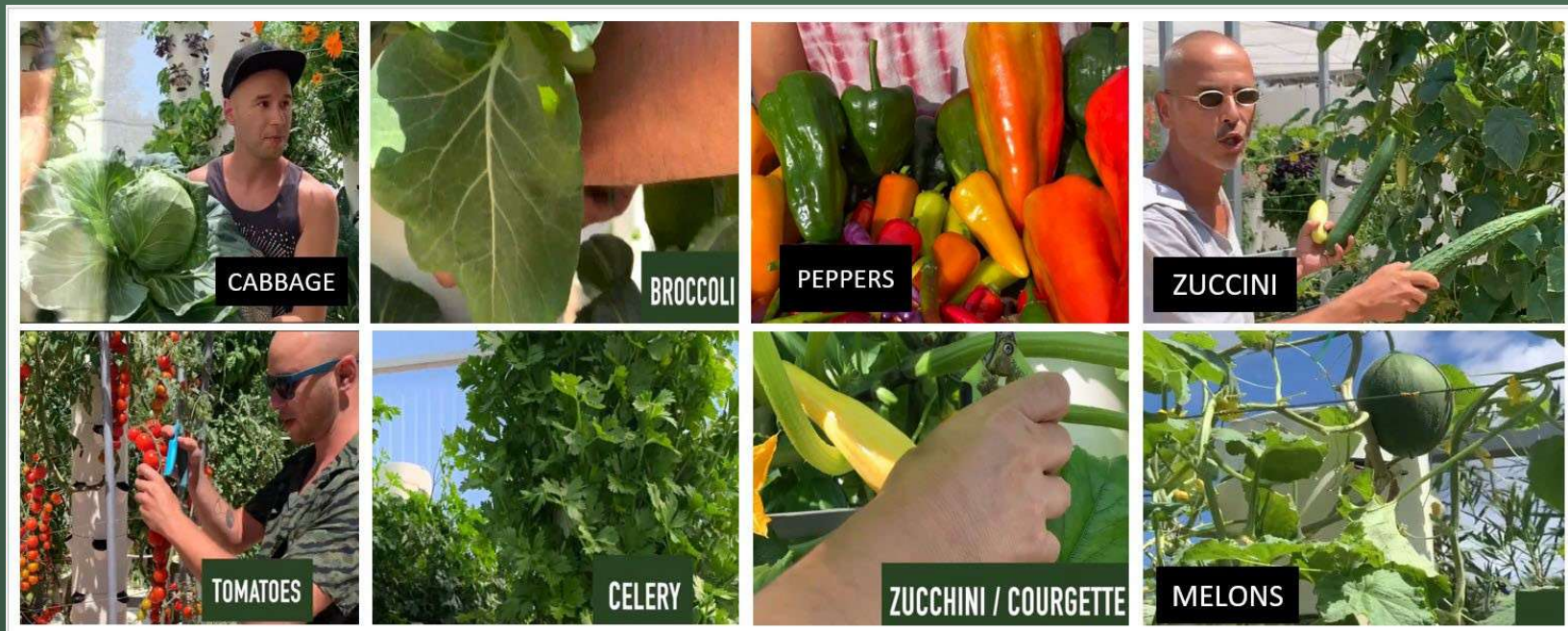
Fruit and Vegetables

Amaranth (vegetable type)
Arugula
Bayam
Beans: Lima, Bush, Pole, Shell, Fava, Green
Broccoli
Broccoli Raab
Brussels Sprouts
Cabbage & Chinese Cabbage
Cauliflower
Chard, all types
Chicory
Collards
Cucumbers
Cress

Dandelion, Italian
Eggplant, European & Asian
Endive
Escarole
Garbanzo Beans
Gourds, edible & ornamental
Kale
Kinh Giol
Kohlrabi
Komatsuna
Leeks
Lettuce, all types
Mesclun varieties
Melons, all types

Misome
Mizuna
Mustard Greens
Ngo Fai
Okra
Pak Choy
Peas, all types
Peppers, all types
Radicchio
Sorrel
Spinach
Squash, all types
Strawberries
Tomatoes, all types





Herbs

Angelica Anise
Hyssop Basil, all types
Bee Balm Borage
Calendula Catmint
Catnip Chamomile
Chervil
Chives
Cilantro (Coriander) & Culantro
Citrus Basil
Cumin Cutting Celery

Dill
Dandelion
Echinacea (Coneflower) Epazote
Feverfew Flax
Garlic Chives Goldenseal
Hyssop Lavender Leaf Fennel
Lemon Balm Lemon Grass
Lovage Marjoram
Mexican Mint Marigold Mibura
Milk Thistle Mint, all varieties



Microgreens



- * Astro Arugula
- Sylvetta Arugula
- * Wasabi Arugula
- Farao Cabbage Leaves
- Red Express Cabbage Leaves
- Claytonia
- * Flash Collards
- * Champion Collards
- Dandelion
- Eros Escarole
- Rhodos Endive/Frisee
- * Black Magic Kale
- Red Russian Kale
- Redbor Kale
- * Scarlet Kale
- Toscana Kale
- * Winterbor Kale
- * Koji Tatsoi
- * Red Kingdom Mizuna
- * Golden Frills Mustard Greens
- Ruby Streaks Mustard Greens
- Scarlet Frills Mustard Greens
- Suehlihung No. 2 Mustard Greens
- Dark Green Orach
- Ruby Red Orach
- * Green Pac Choi
- Li Ren Choi
- * Red Pac Choi
- Perseo Radicchio
- Seaside Spinach
- Space Spinach
- * Bright Lights Swiss Chard
- Ruby Red Swiss Chard
- Watercress



Advantages of Growing with Greenfield Hydroponics in your Urban Farm Community



GHI Container farms are custom-designed to meet the aesthetics of the community while providing daily cultivation of nutritious and organic food naturally without the use of harmful pesticides or chemicals.



Local Production

Freshness guaranteed with production in closed communities.



Sustainability

Reduced environmental impact through efficient resource utilization.



Fast Commercialization

Products available immediately after harvest.



Food Integrity

Complete traceability from farm to table.



Greenfield's Commitment to Sustainability

1

Positive Impact

Providing fresh, healthy food to 89 million residents in closed communities across the US.

2

Local Agriculture

Supporting local economies and reducing reliance on imports.

3

Continuous Innovation

Developing advanced systems that optimize resources and ensure the highest quality food.



Competitive Advantages for Gated Communities with CEA

1

Exclusivity

Pioneering sustainability and quality of life, a differentiating factor for communities.

2

Food Independence

Reduced reliance on external supply chains, especially during shortages or crises.

3

Resident Attraction

Innovation and sustainability become attractive selling points for families and professionals seeking quality of life.

4

Health & Wellness

Direct access to organic food improves health and promotes a balanced diet among residents.



Get in Touch

Let's bring fresh, pesticide-free produce to your community.



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