

Greenfield Hydroponics: Cultivating a Sustainable Future

Greenfield Hydroponics is revolutionizing the way we grow food, bringing fresh, organic produce directly to urban communities. Our Controlled Environment Agriculture (CEA) systems offer a sustainable and efficient solution for local food production.



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.

Benefits

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



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

Vertical Towers

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



Vertical Channels

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



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

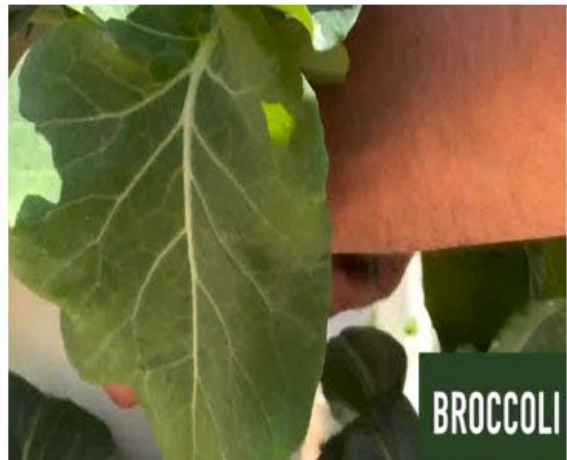
Spinach

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
Dandelion
Dill

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

Nettle
Oregano
Parsley (leafy types only)
Passion Flower
Pleurisy Root
Pyrethrum
Rosemary
Rue
Sage
Salad Burnet
Saltwort
Savory
Shiso
Stevia
Thyme
Valerian Wormwood



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





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Sustainability

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Fast Commercialization

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Food Integrity

Complete traceability from farm to table.

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.





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.



Greenfield Hydroponics

GHI FRESH FRUITS, VEGETABLES AND MICROGREENS PROGRAM FOR URBAN FARMS & GATED COMMUNITIES

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