NEW YORK URBAN AGRICULTURE CENTER

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Urban agriculture is the practice of growing and cultivating food in densely populated areas for personal consumption by the grower, or for the distribution to the inhabitants located in a close proximity to where the food was grown.

WHY URBAN AGRICULTURE?

Current agriculture practices and methods have lead to serious issues with the economic, social, political, and environmental state of our world. Made worse by the issue of climate change, it is necessary to transform how we produce and distribute food. Urban agriculture is a solution. Urban agriculture has many health, social, economic, and ecological benefits.

- Health
- Food security
- Youth development
- Environment

The design for the New York Urban Agriculture Center is the first of its kind – a museum-like space that will host exhibits of different urban agricultural practices. Some of these practices include hydroponics, aquaponics, container gardens, rooftop farming, vertical gardens, community gardens, and aquaculture. Modeled after the approach of The Living Building Challenge, the design for the New York Urban Agriculture Center is a regenerative space that connects occupants to light, air, food, nature, and community. With a fully integrated sustainability system, the building gives more than it takes, creating a positive impact on the human and natural systems.

SUSTAINABILITY STRATEGIES

- Food security
- Job growth
- Food affordability
- Job readiness
- Climate change
- Building
- Design
- System
- Impact
- Agriculture

Everyone agrees that climate change has and will have a disastrous or at least dramatic effect on agriculture.

- Modern Farmer Magazine
- Food affordability
- Job growth
- Food security
- Economic Pressures
- Pesticide Toxicity
- Antibiotic Resistance

REFERENCES:

- Royte, E. (2015, April 27). Urban farming is booming, but what
- The Ground.
- The Urban, Indoor Future of Farming [Audio blog interview].
- 29 Surprising Benefits of Urban Farming [Web log post].

INTERIOR

EXTERIOR

LEGEND

1. Information Desk
2. Lounge Seating
3. Vertical Gardens
4. Cafeteria
5. Hydroponics
6. Augmentation
7. Edible Landscaping
8. Biodiversity
9. Hydroponics
10. Vertical Gardens
11. Administration
12. Energy
13. Biodiversity
14. Aquaculture
15. Aquaponics
16. Vertical Gardens
17. Vertical Gardens

LEVEL 1

LEVEL 2

LEVEL 3

LEVEL 4

Did you know that over 20% of the food in the world is produced in urban settings?*