





What is Urban Agriculture?

☐ It is the practice of growing fruits, herbs, and vegetables and raising animals in cities.







☐ It involves the practices such as:

-animal husbandry











☐ It involves the practices such as:

-bee keeping (apiculture)







www.agriculture.vsu.edu

☐ It involves the practices such as:

-aquaculture







www.agriculture.vsu.edu

☐ It involves the practices such as:

-horticulture







☐ Creating awareness

-In cities, people do not relate with farming.

-The younger generation living today in the cities do not know the source of their food.





- **☐** Utilization of space
 - -In cities with tall buildings, even though land is scarce and expensive, the roof is often left bare and unused.
 - -Urban agriculture on roofs can make use of these spaces.
 - -Other spaces include the use of front yards, backyards, and patios.





- **☐** Food security
 - -Food Desert: a low-income area where a substantial number of residents have low access to a large grocery store.
 - -Low access to a healthy food retail outlet is defined as ≥ 1 mile from a large grocery store in urban areas.





□ Food safety

- -You know where the food is grown.
- Also, it's often grown without pesticides and chemical fertilizers.

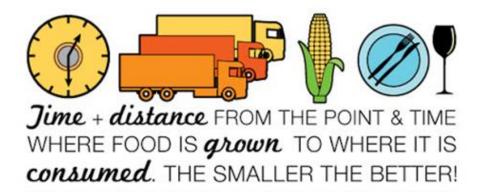






□ Reduce food transportation

-Food miles =







☐ Economic base

- -Urban agriculture provides:
 - employment
 - income.









☐ Health benefits

-The more people grow their own food, the more they are likely to eat it.

-Urban farming involves urban dwellers in active work and

recreation.





□ Social benefits

-In apartments, neighbors seldom communicate.

-Urban farming or gardening brings people together, creating "agrihoods": where a working farm is the central feature.





- □ Environmental benefits
- -Reduce organic waste through recycling or composting.
- -Minimize greenhouse emissions.







How Do We Approach Urban Agriculture?





Virginia Cooperative Extension Virginia Tech · Virginia State University

Sustainable & Urban Agriculture Program at VSU

- ☐ The SUAP program helps to address production challenges of vegetables and small fruits within an urban or suburban environment.
- □ SUAP provides extension education in community and institutional gardening, urban farming, and micro-farming.





Sustainable & Urban Agriculture Program at VSU

- ☐ Outreach activities include: workshops, field days on-farm demonstrations and hands-on training.
- ☐ The long-term outcome is to increase the adoption of sustainable urban agriculture practices leading to enhanced sustainability.





Sustainable & Urban Agriculture Program at VSU

- ☐ Some urban agriculture initiatives at VSU:
- ✓ Sustainable Urban Agriculture Certificate Program
- ✓ Research and demonstration sites
- ✓ Community and Institutional Gardening
- ✓ Urban Agriculture Summit
- ✓ Microfarming (New Program)





- ☐ In the Spring of 2017, VSU launched a 12 weeks Sustainable Urban Agriculture Certificate Program.
- ☐ The program was developed out of the need to address the food deserts situation in Virginia by equipping Extension educators.





☐ The program was awarded \$350,000 by USDA/NIFA grant # 2015-38821-24339, entitled:

"From Food Deserts to Agrihoods: Transforming Food Insecure Neighborhoods with Comprehensive Urban Agriculture Education."





- ☐ Target Audiences
- > Ag. Extension Agents
- Master Gardeners
- Urban farmers and gardeners





- ☐ Topics covered:
- Principles of urban agriculture;
- > Permaculture;
- Urban agriculture business and entrepreneurship;
- > Garden pest and disease management;





- > Urban soils and brownfields;
- ➤ Indoor production, hydroponics and aquaponics systems;
- > Animal Husbandry, among other topics.





- ☐ Program Structure
- > 12 weeks of class instruction;
- > Hands-on outdoor and greenhouse sessions;
- > 80-hrs internship; and
- > 30-minutes seminar themed around internship experience.













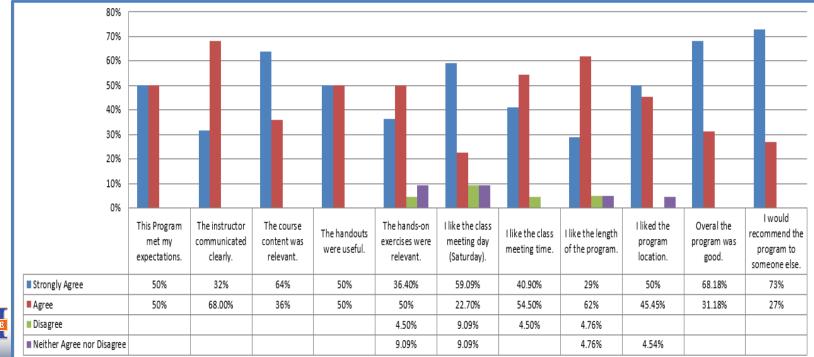




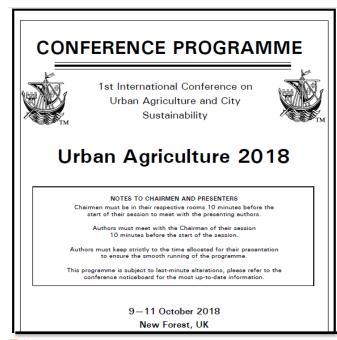


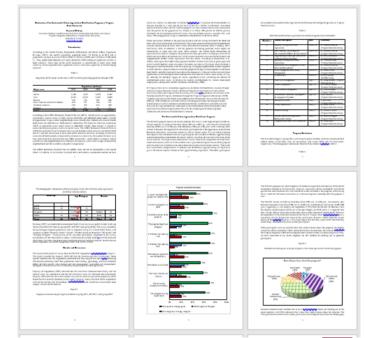


Program Evaluation













Moving the Program to Distance Education

➤ USDA NIFA Grant Award of \$249,000 entitled:

Enhancing the Capacity of Virginia State University to Expand Urban Agriculture Education through the Distance Learning Approach

GRANT12407577 Proposal Number: 2017-07565





☐ Demonstration site at Randolph Farm











On campus educational garden







☐ On campus educational garden







☐ Hydroponics Demo Site at Randolph







Community Gardening Projects

□ Eden Community Garden









Community Gardening Projects

☐ Health South Hospital Garden









Urban Agriculture Summit





Mid-Atlantic
URBAN AGRICULTURE SUMMIT
OCTOBER 12-14, 2021

VIEW PROGRAM

Creating Healthy Communities Through Urban Agriculture

VIRTUALLY ONLY VIA ZOOM

REGISTER NOW

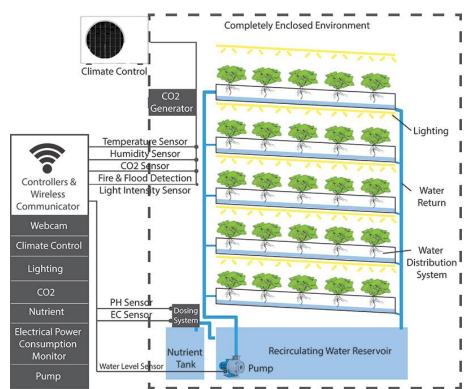
Welcome to the first Mid-Atlantic Urban Agriculture Summit! This event launched five years ago and was formerly known as the Virginia Ag Summit. New in 2021, organizers at Virginia Cooperative Extension have extended it to the entire Mid-Atlantic region to facilitate the sharing of even more knowledge and experiences. We invite urban farmers, gardeners, policymakers, government officials, foodies and other interested

https://www.ext.vsu.edu/midatlantic-uas





Microfarming











Microfarming

➤ USDA NIFA Award of \$600,000 for a project entitled:

Optimized micro-farms as a potential solution to food insecurity in urban neighborhoods.

Project Number: 2021-38821-34587.









Thank you

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