



TCNJ Campus Garden Manual: Procedures & Impacts

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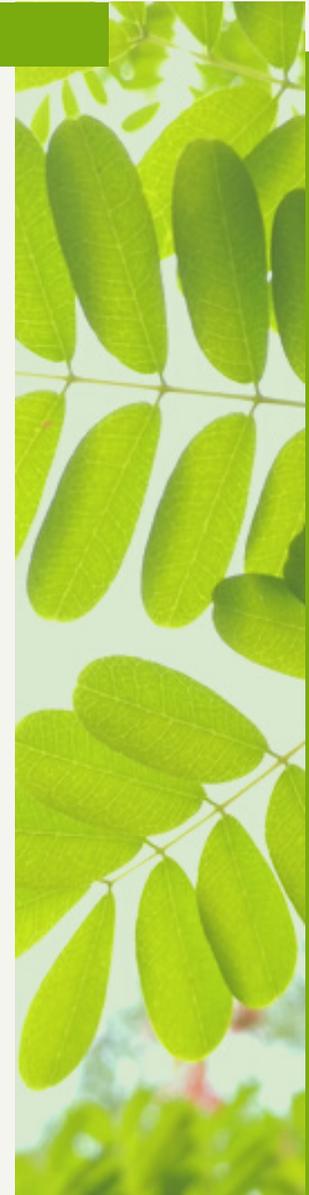
TOPICS FOR TODAY

PROPOSAL OVERVIEW

WHAT IS ESC/TCNJ CAMPUS
GARDEN?

INSPIRATION FOR LEGACY PROJECT
GOALS

ADDRESSING FOOD INSECURITY
AND CLIMATE CHANGE



Proposal Overview



EDUCATE

Combine our experiences as site leaders of TCNJ ESC and the Campus Garden

PROMOTE

Allow others to learn more about sustainability initiatives on campus

IMPACT

Leave future Bonner Scholars, volunteers, staff/faculty, and the rest of the TCNJ body with essential knowledge about the garden

PROJECT PLAN: To create a comprehensive manual for the TCNJ Campus Garden that details procedures for manual tasks as well as reflects on the garden's future based on social impacts



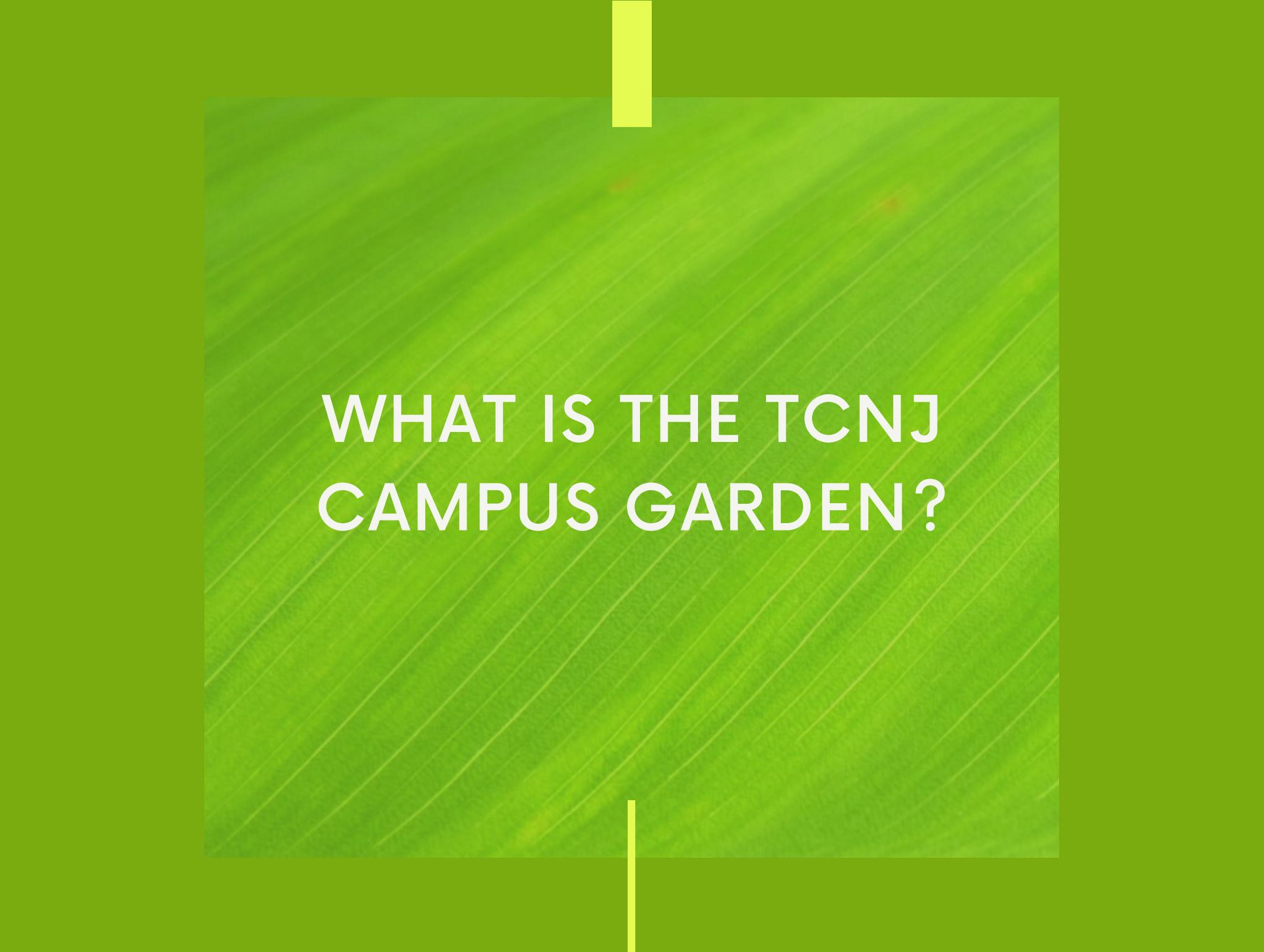
WHAT IS THE TCNJ ENVIRONMENTAL SUSTAINABILITY COUNCIL?

ESC TEAM OF THE BONNER INSTITUTE'S ENVIRONMENT DIVISION FOCUSES ON PROJECTS THAT FALL UNDER THE FOUR ESC-ENDORSED GOALS:

- ENERGY CONSERVATION
- RECYCLING AND WASTE REDUCTION
- SUSTAINABLE TRANSPORTATION
- COMMUNICATIONS AND OUTREACH

MISSION:

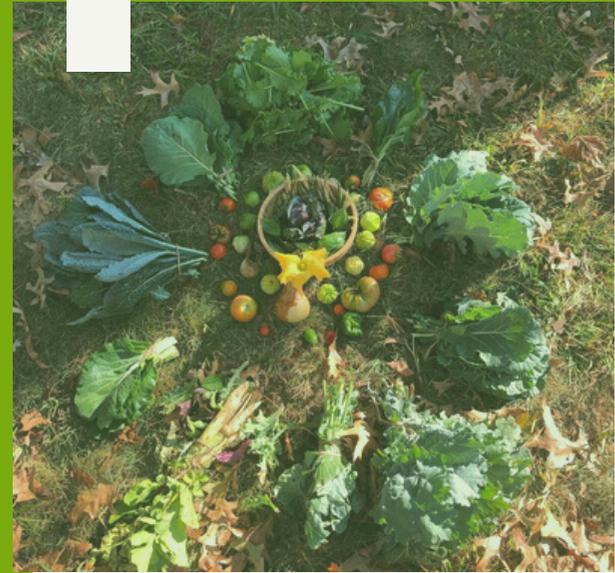
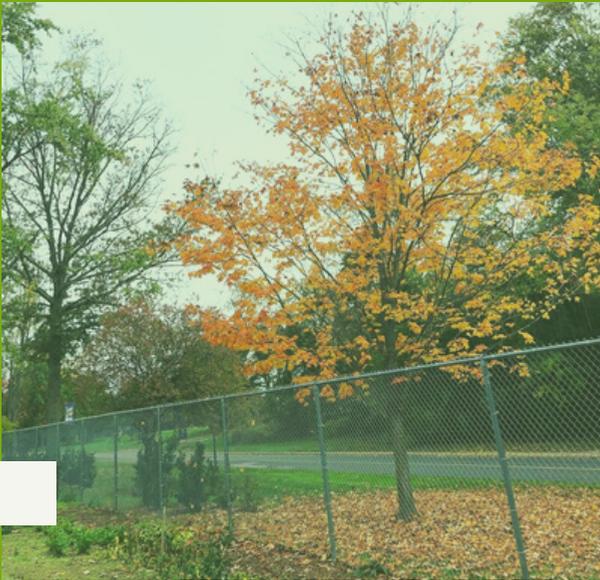
SUPPORT THE COLLEGE'S GOALS OF ATTAINING CARBON NEUTRALITY AND ENVIRONMENTAL SUSTAINABILITY PROMOTING AND FURTHERING ESC'S REACH AND EDUCATION ON CAMPUS



**WHAT IS THE TCNJ
CAMPUS GARDEN?**

OBJECTIVE #1

Engage students through educational activities at the garden & increase educational signage for the garden and open garden hours



OBJECTIVE #2

Implement change in reducing greenhouse gas emission and growing produce to donate to Mercer Street Friends

Fruits and Vegetables



A COUPLE OF OUR TOP PICKS



Carrots



Peas



Cucumber



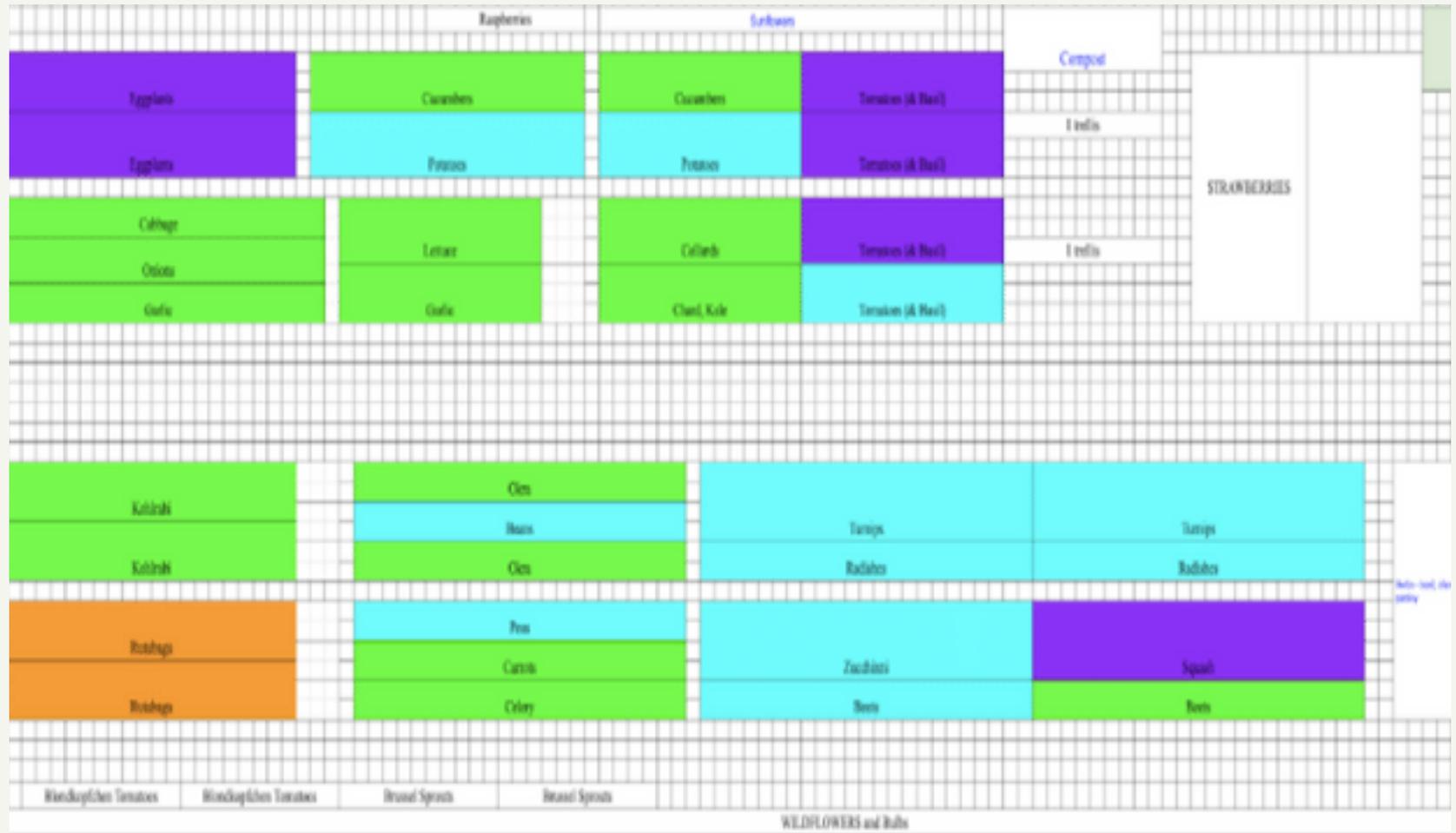
Tomatoes



Peppers

Garden Layout 2021

HOW BIG IS OUR GARDEN?



INSPIRATION FOR PROJECT

LIMITED
AWARENESS OF
ENVIRONMENTAL
ISSUES

LACK OF
RESOURCES
FOR THE
GARDEN AND
VOLUNTEERS

UNDERSTANDING
THE
SIGNIFICANCE
OF THE GARDEN

TEACH OTHERS ABOUT
THE IMPORTANCE OF
SUSTAINABILITY AND
FOOD INSECURITY IN
TRENTON MERCER-
COUNTY AREA AND ITS
SOCIAL IMPACTS



GOALS



#1

To integrate the broader picture of how the garden addresses food insecurity and sustainability



#2

To create a valuable resource accessible to the Bonner Scholars, volunteers, faculty and staff as well as rest of the TCNJ body



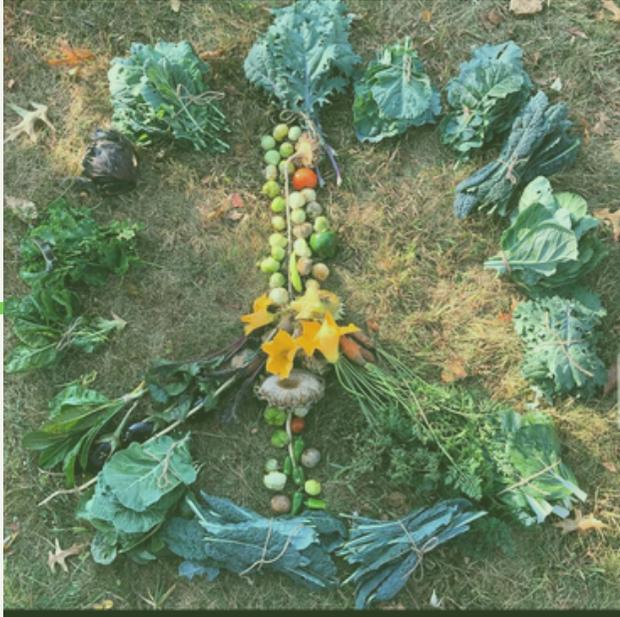
#3

To increase the understanding and significance of what the garden means to the campus community and the surrounding area



#4

To have others understand the impacts of climate change on local gardens



**1.1
million**

PEOPLE LIVING
IN NEW JERSEY
ARE FOOD
INSECURE

13%

OF NJ'S
POPULATION IS
EXPERIENCING
FOOD
INSECURITY



Food Insecurity Facts:

- Disproportionately affects a broad range of people, including seniors, children, African Americans, Latinx, and rural communities
- In Mercer County, in 2017, the food insecurity rate of the county's full population was 11.4% while the rate of children experiencing it was 13.3%

HOW IS THE GARDEN RELATED TO FOOD INSECURITY?



HUNGER - PHYSICAL
SENSATION OF PERSONAL
DISCOMFORT



FOOD INSECURITY - A LACK OF
AVAILABLE FINANCIAL
RESOURCES THAT ARE
NECESSARY IN ORDER TO
RECEIVE FOOD AT THE LEVEL
OF HOW MANY INDIVIDUALS
LIVE IN THE HOUSEHOLD.

WHAT DO WE DO TO ADDRESS
FOOD INSECURITY IN OUR
COMMUNITY???

Answer: _____



DONATIONS

HARVESTED
VEGETABLES



MERCER
STREET
FRIENDS FOOD
BANK



MERCER
COUNTY
DISTRIBUTIONS

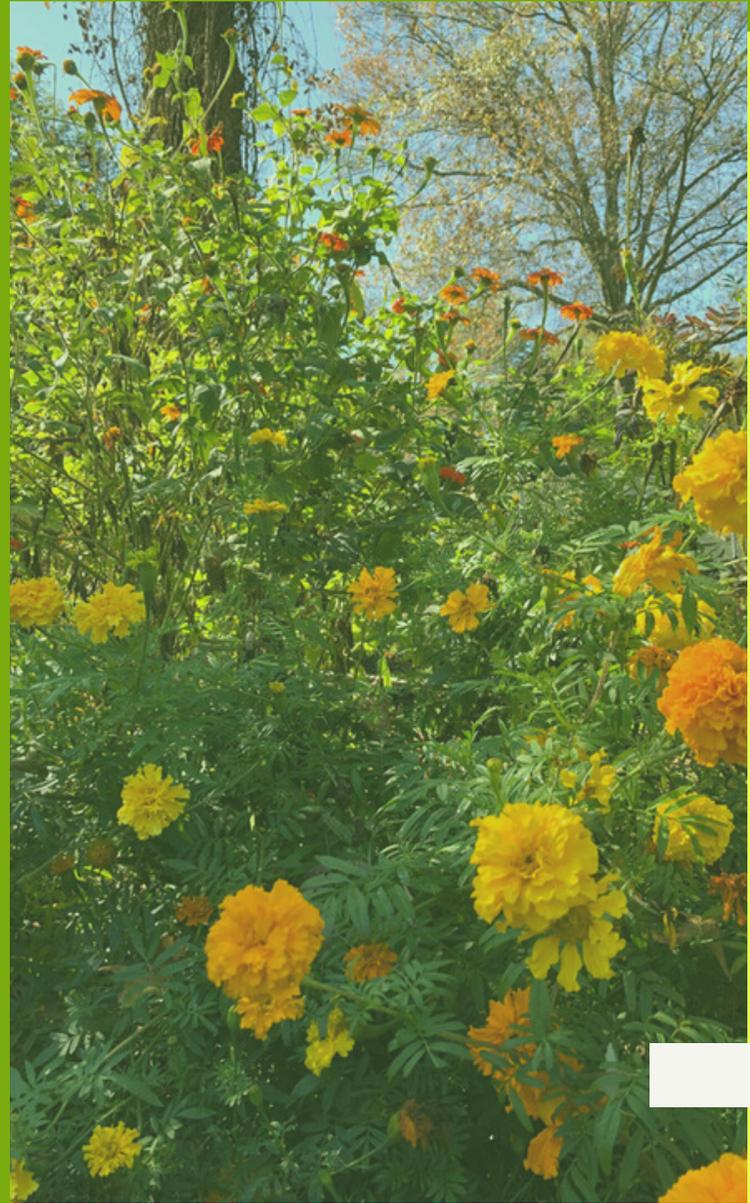
where they are placed in a banana box and then on a scale and the weighed amount of produce is recorded on a donation slip

box is then covered and placed in a fridge at the Food Bank to be distributed throughout the Trenton-Mercer County area

The Future of the Garden

CLIMATE CHANGE AFFECTS PLANT GROWTH:

- Promotes the spread of pests and diseases
- Increases exposure to heat stress
- Affects rainfall patterns
- Results in greater leaching of nutrients from the soil during intense rains
- Leads to greater erosion due to strong winds





HOW WE HOPE TO ADDRESS THESE PROBLEMS

- Bonners monitoring and reporting on changes for years to come
- Yearly soil tests to restore possible depletion



THE END!!!

THANK YOU FOR ALL YOUR TIME :)



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Sources



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