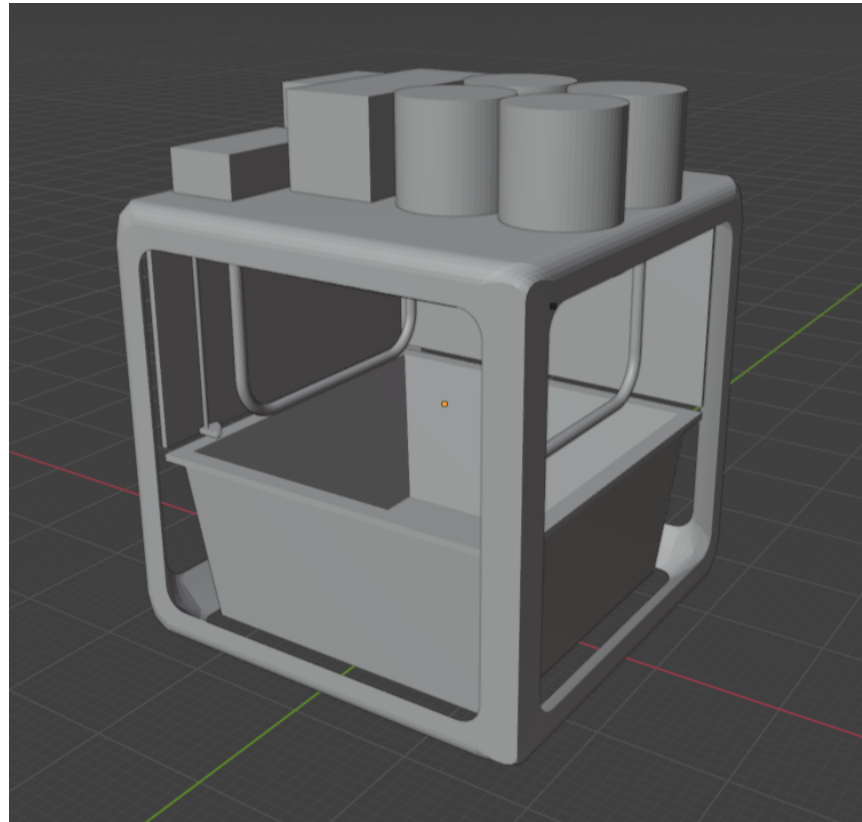


Portable Grow Box

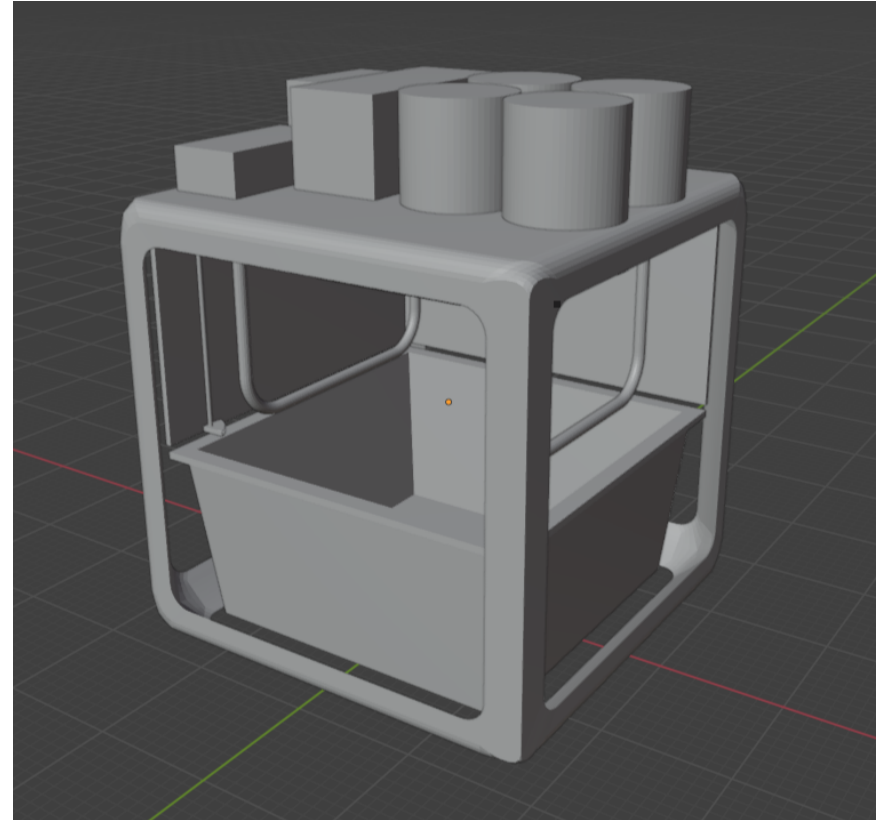
Growing vegetables in urban apartments



Overview

The portable grow box is designed as a crop growing system specifically for families and individuals.

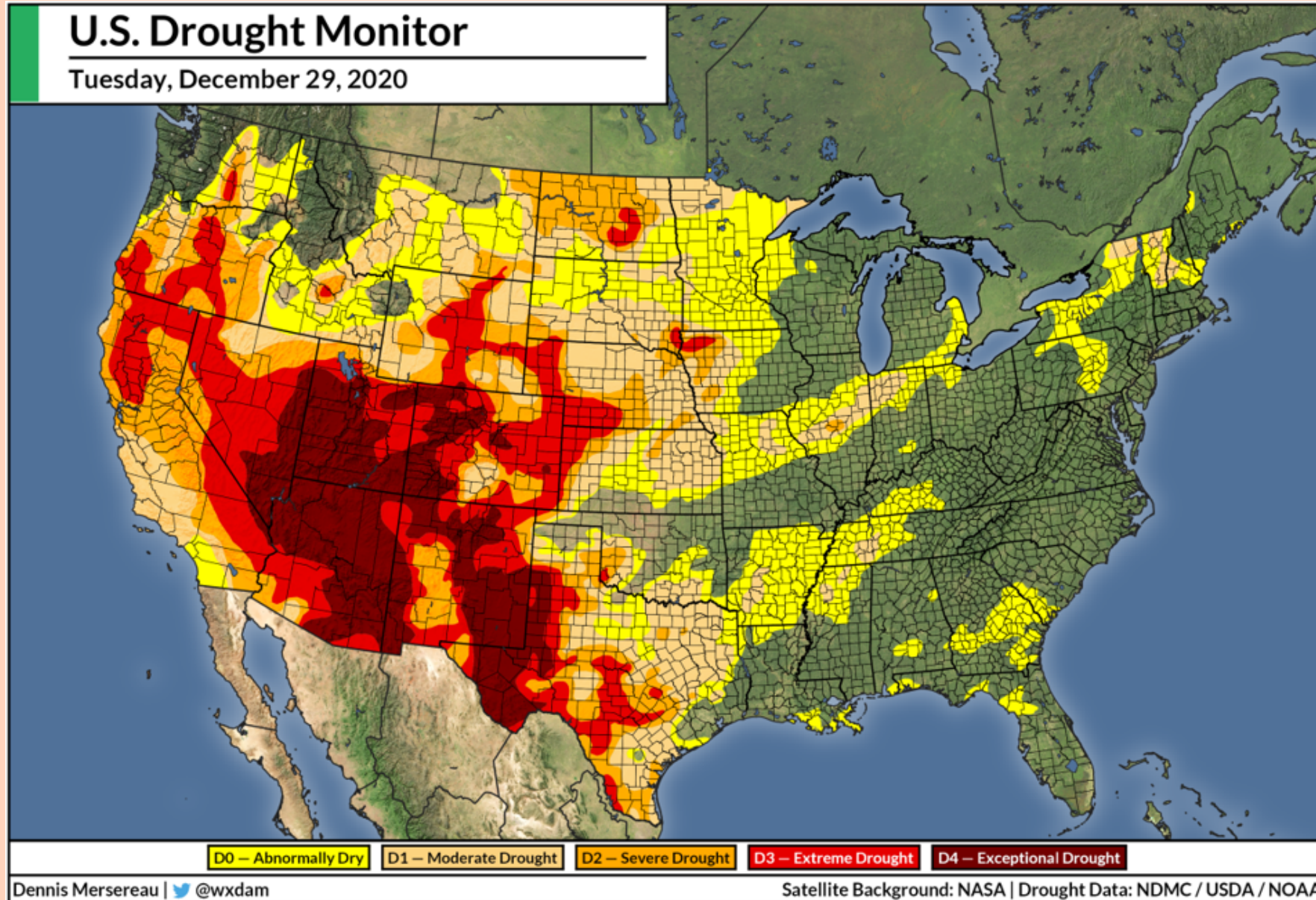
The purpose of the invention is to:
Grow basic food for individuals in an environment lacking planting conditions.



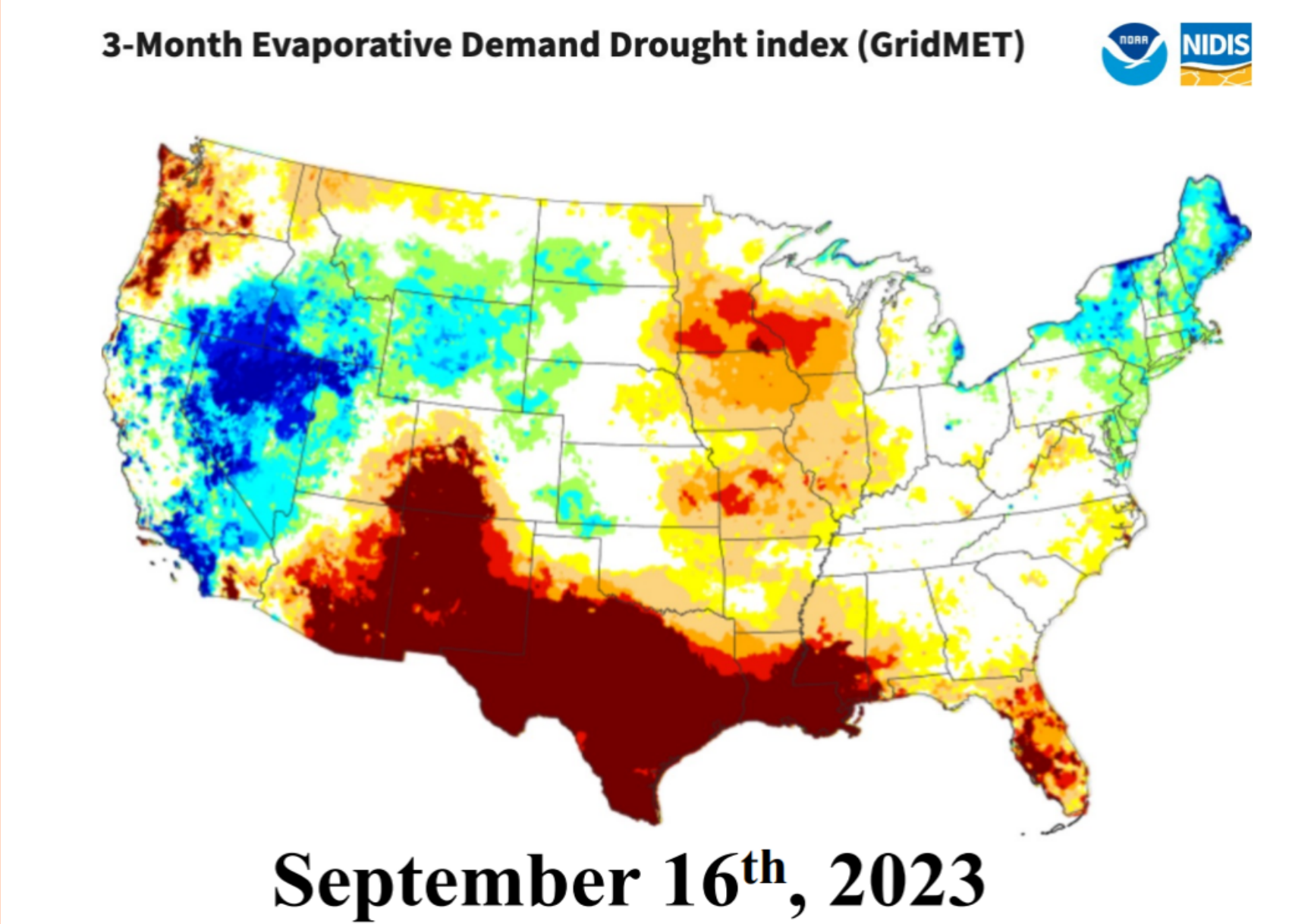
Global agricultural risks

Extreme climate change has brought huge damage to agriculture, and current agriculture seems to be unable to cope with extreme climate.

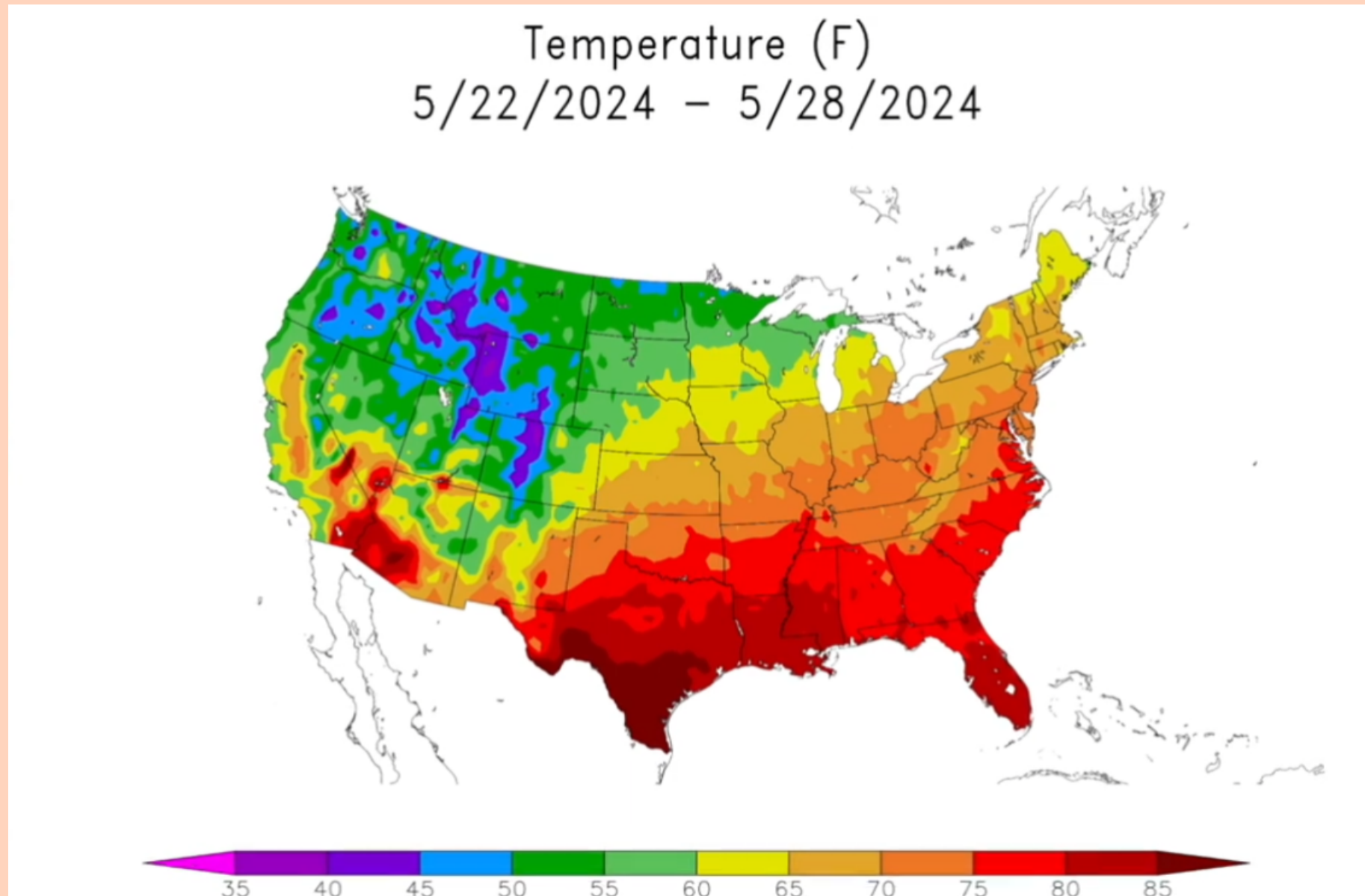
2020: The U.S. experienced one of its worst droughts in history, especially in the Great Plains, affecting over 10 million acres of farmland.



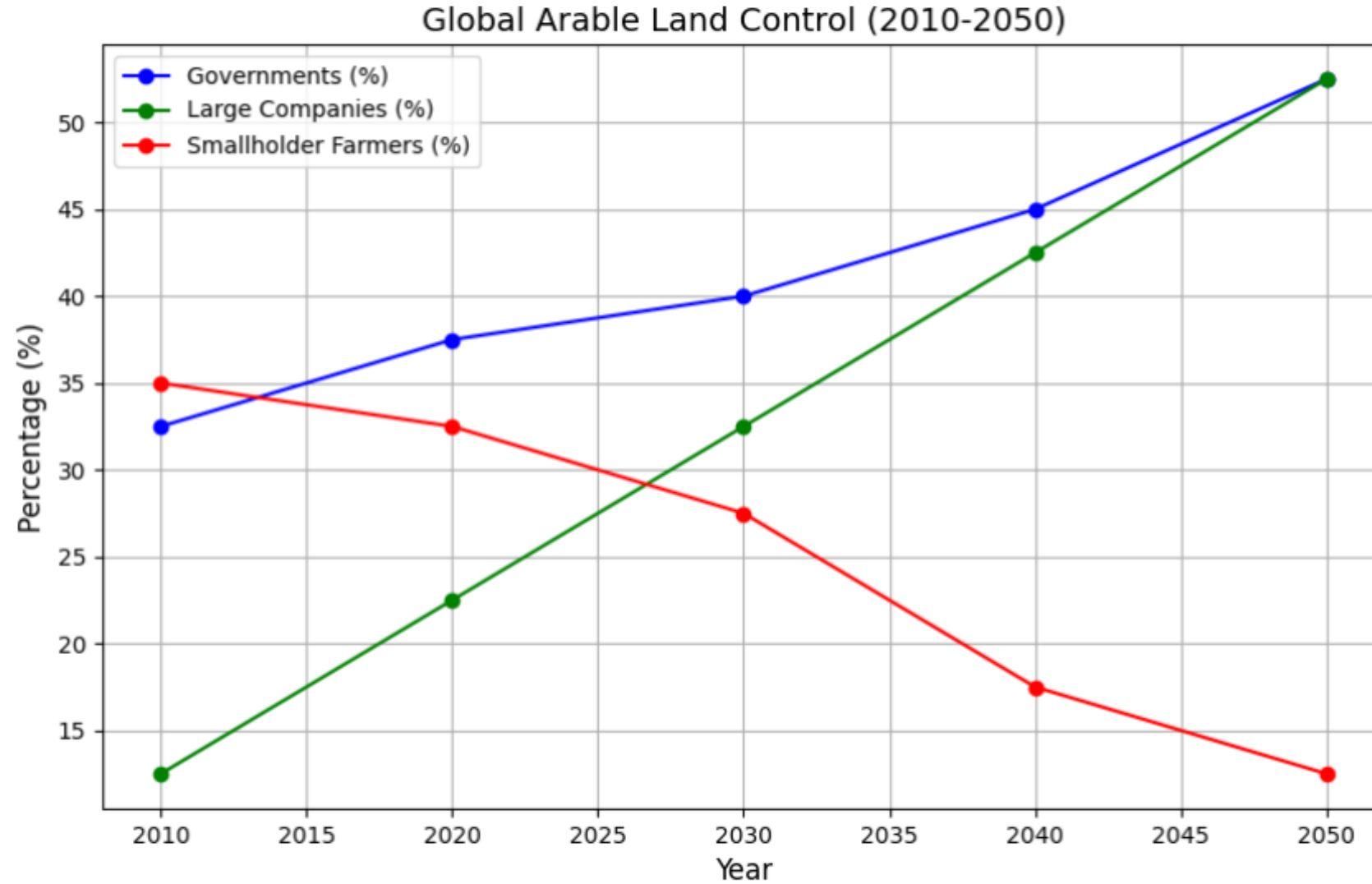
2023: Severe drought in the Midwest and South caused corn yields to drop by 24% and soybean yields by 22%.



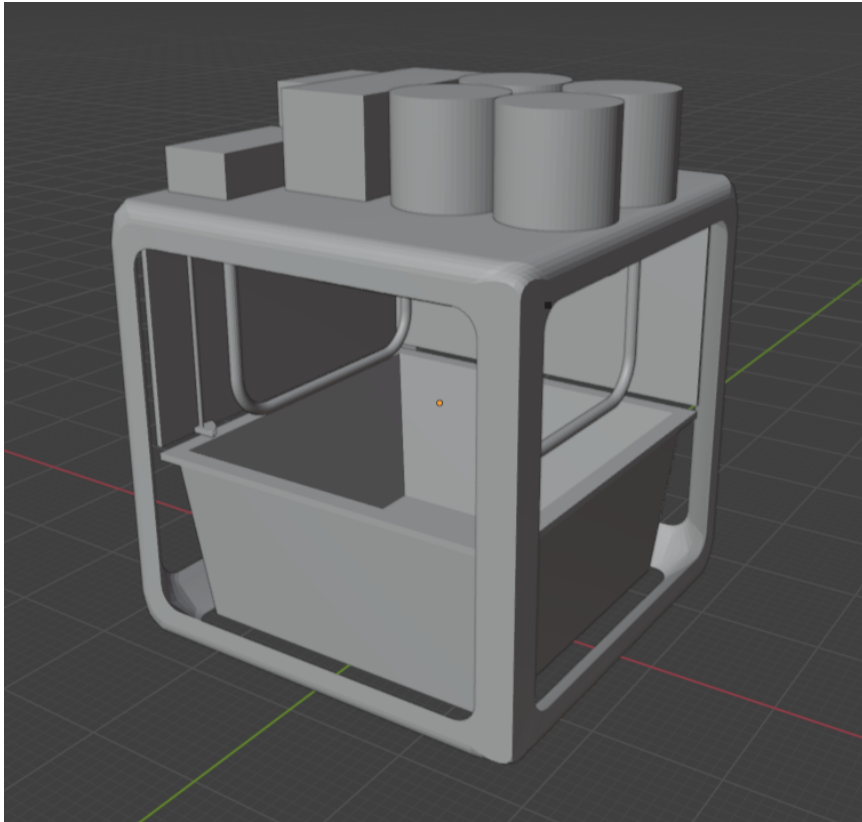
2024: Drought in Texas and California led to a 15%-20% decrease in corn and soybean yields, with heatwaves intensifying water stress.



Farmland risk



Solution: Portable Planter Box



No reliance on large-scale agriculture

Planting is not restricted by region

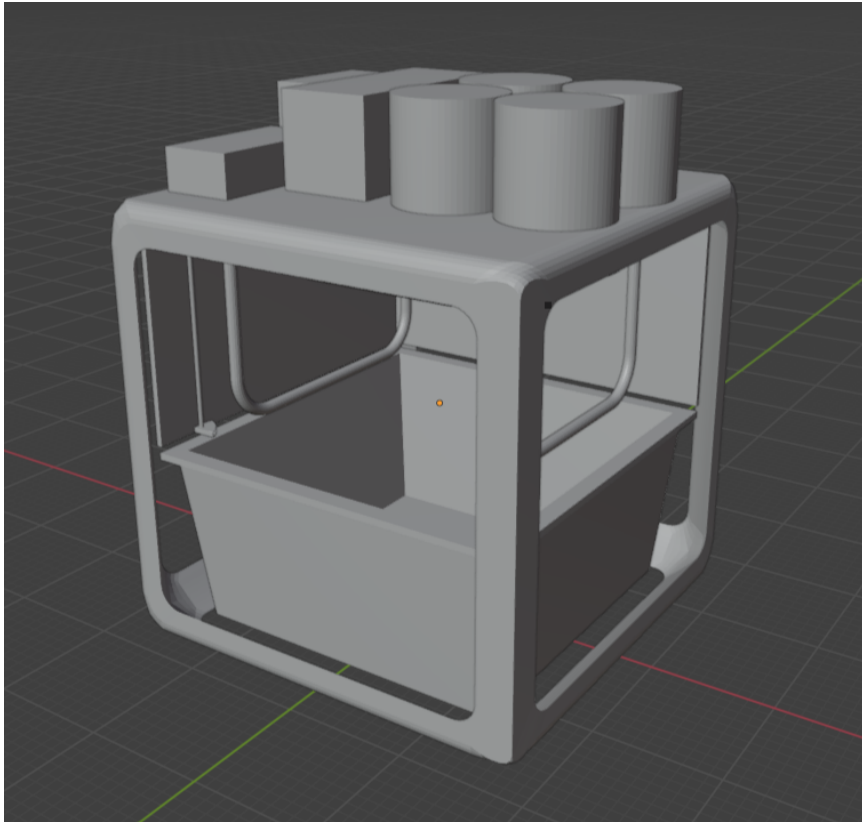
Almost unaffected by weather

Eliminate the anxiety of lack of land and food

New technological innovation projects

Looking for enthusiastic young people

Go beyond tradition grow vegetables freely



Cities:

Grow fresh food in limited space, whether it's an apartment or a dorm room.

Original ecology:

Self-selected planting materials, original ecology, safe and green.

One year plan

1, Prototype design completed in three months

2, The prototype was produced in three months

3, One month to test usability and improve efficiency

4, Seeking cooperative investment within one month

Member recruitment

1. Graphic Designer
2. Industrial Designer
3. Embedded technician
4. Manual specialist



Get to know your project leader

Currently an undergraduate student at Hunan Institute of Science and Technology, majoring in Data Science and Big Data Technology.

(Note: Suspension for one year due to health-related issues, specifically kidney problems.)

Completed high school at Yongzhou No. 1 High School.

Peter.C Male

Contact information : VaultBlueV@gmail.com