Solution & Effects of AGRICULTURAL PRACTICES
Ryan Talusan and Cait Castillo

VERTICAL FARMING

- PROFITABLE
- SCALABLE
- YEAR-ROUND

IN ILLINOIS, PRAIRIES DECREASED FROM 22,000,000 TO 2,500 ACRES

ALREADY OCCUPIES 45% OF THE U.S. ARABLE LAND

WILL SIGNIFICANTLY REDUCE CARBON EMISSIONS

CAN HARVEST MARKET GRADE PRODUCE IN LESS THAN 21 DAYS

ORGANIC USES 95% LESS WATER THAN TRADITIONAL FARMS

3000% INCREASE IN GROWING EFFICIENCY

44,000,000,000 lbs FERTILIZERS USED IN THE US
5,600,000,000 lbs PESTICIDES USED WORLDWIDE

87% OF BIRDS SPECIES MUST LEAVE THEIR NATURAL HABITAT

3000% INCREASE IN GROWING EFFICIENCY

50% FAILURE RATE OF CROPS GROWN OUTDOORS

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2984095/