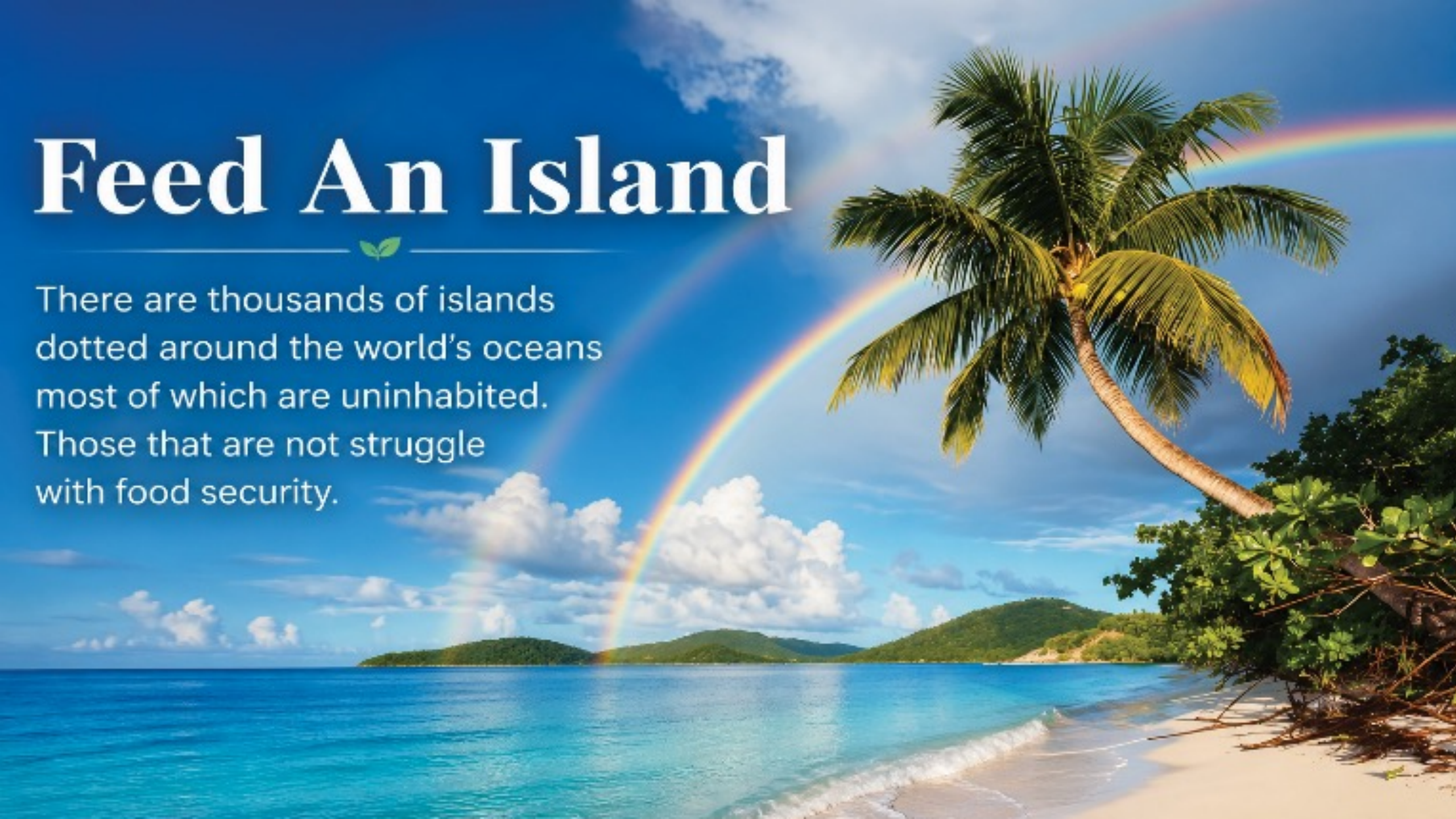
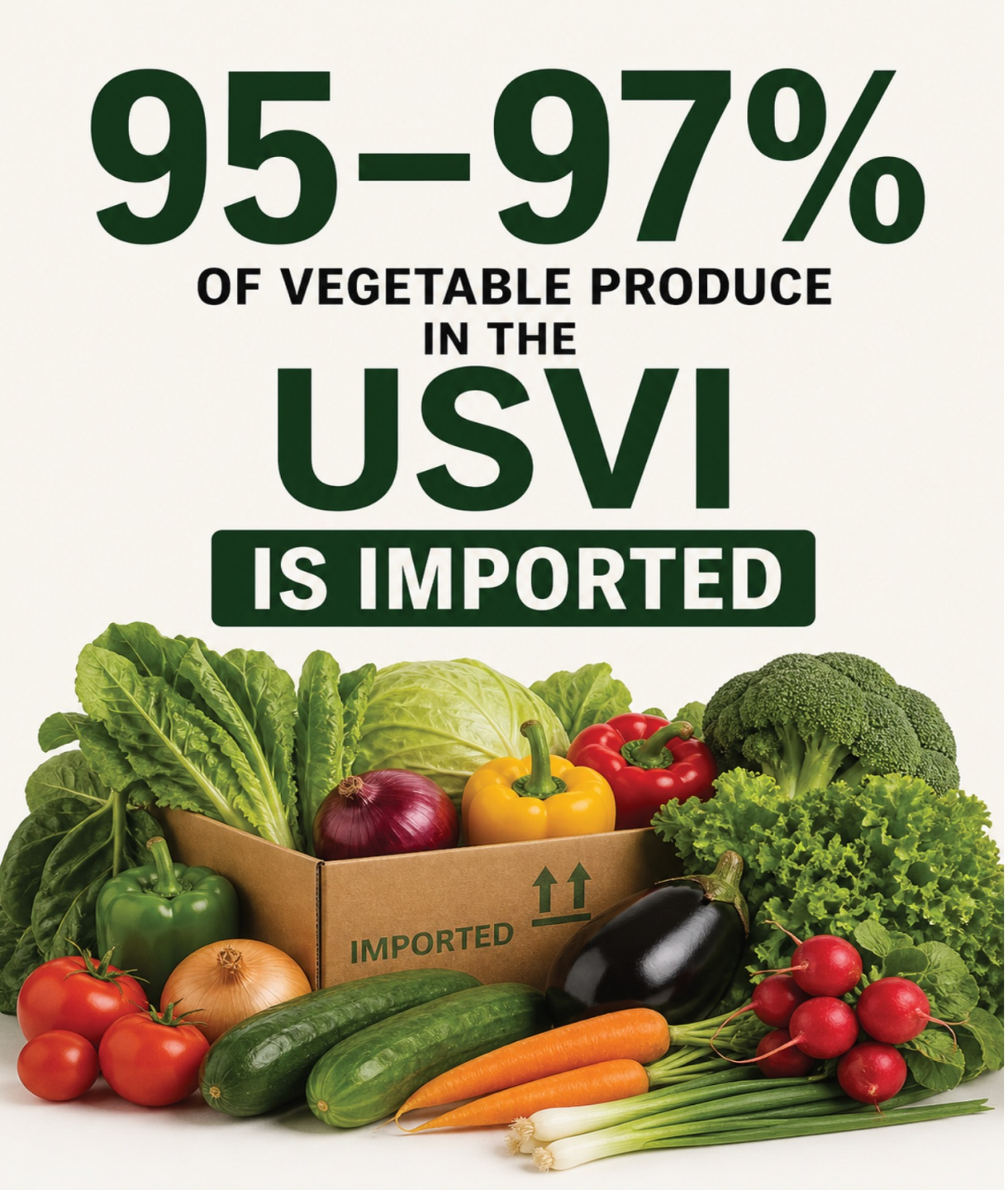
Feed An Island

There are thousands of islands dotted around the world's oceans most of which are uninhabited. Those that are not struggle with food security.





The Problem

Most produce consumed in the USVI is imported

- High food costs
- Supply chain vulnerability
- Limited local production capacity
- Food insecurity across communities

“The USVI depends on imports for nearly all of its fresh produce”

The Solution

A decentralized food production network

- 1,000 Root Tube systems across the territory
- Small-footprint, high-efficiency production
- Works in urban, coastal, and arid conditions

Not gardening but deployable food production infrastructure

Why This Model Wins

- Limited land
- Water constraints
- High import costs

Technology Advantage:

- 2–5x yield per footprint
- Year-round production
- 90% less water
- 80–90% less fertilizer

“Designed specifically for the islands.”

The Island Model

Food Ambassadors

~1 system ⟶ household

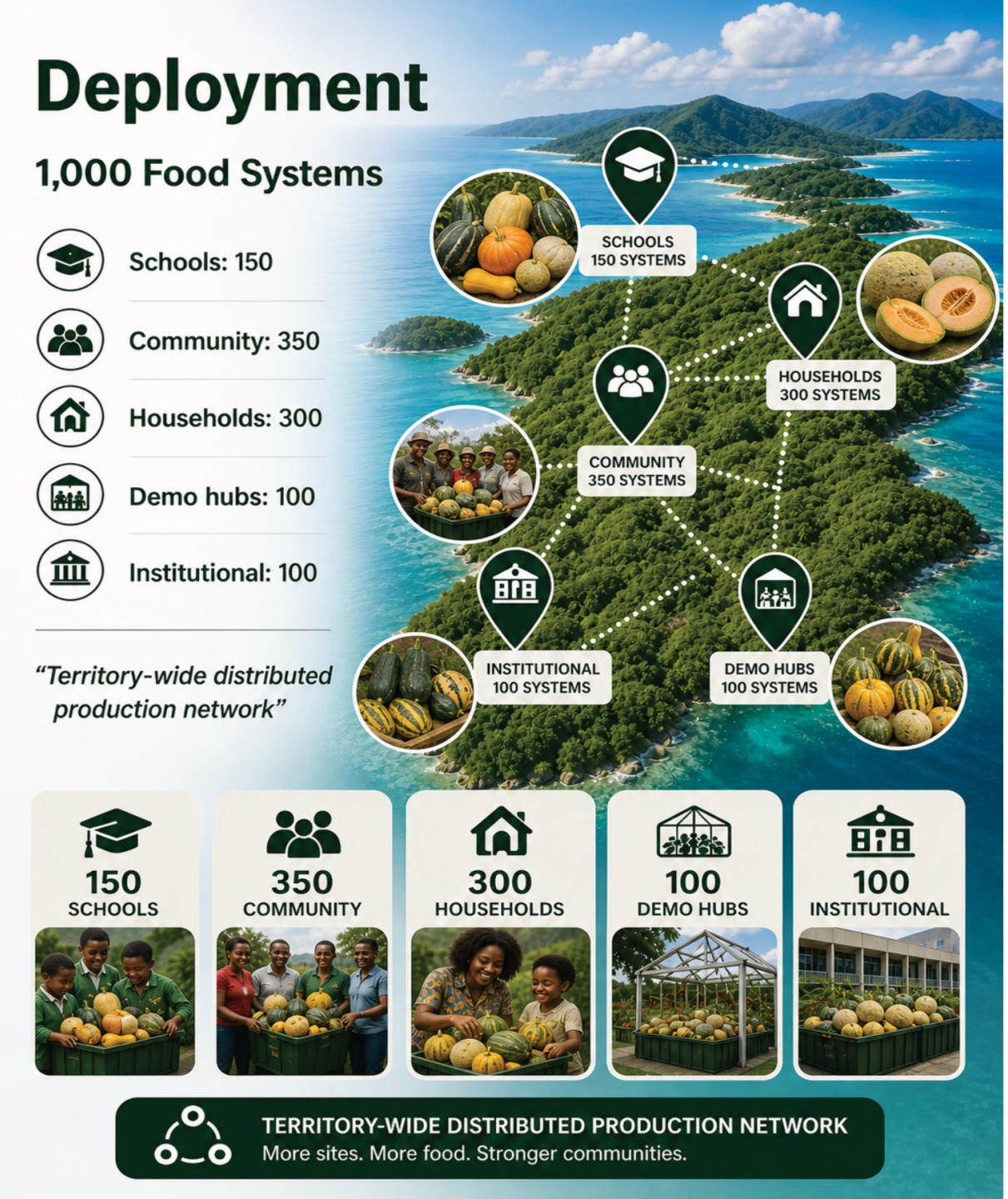
~1 system ⟶ community

"Get Two – Give Two" Structure

~Household production

~Community food access

~Self-expanding network quickly creating food security grower-by-grower

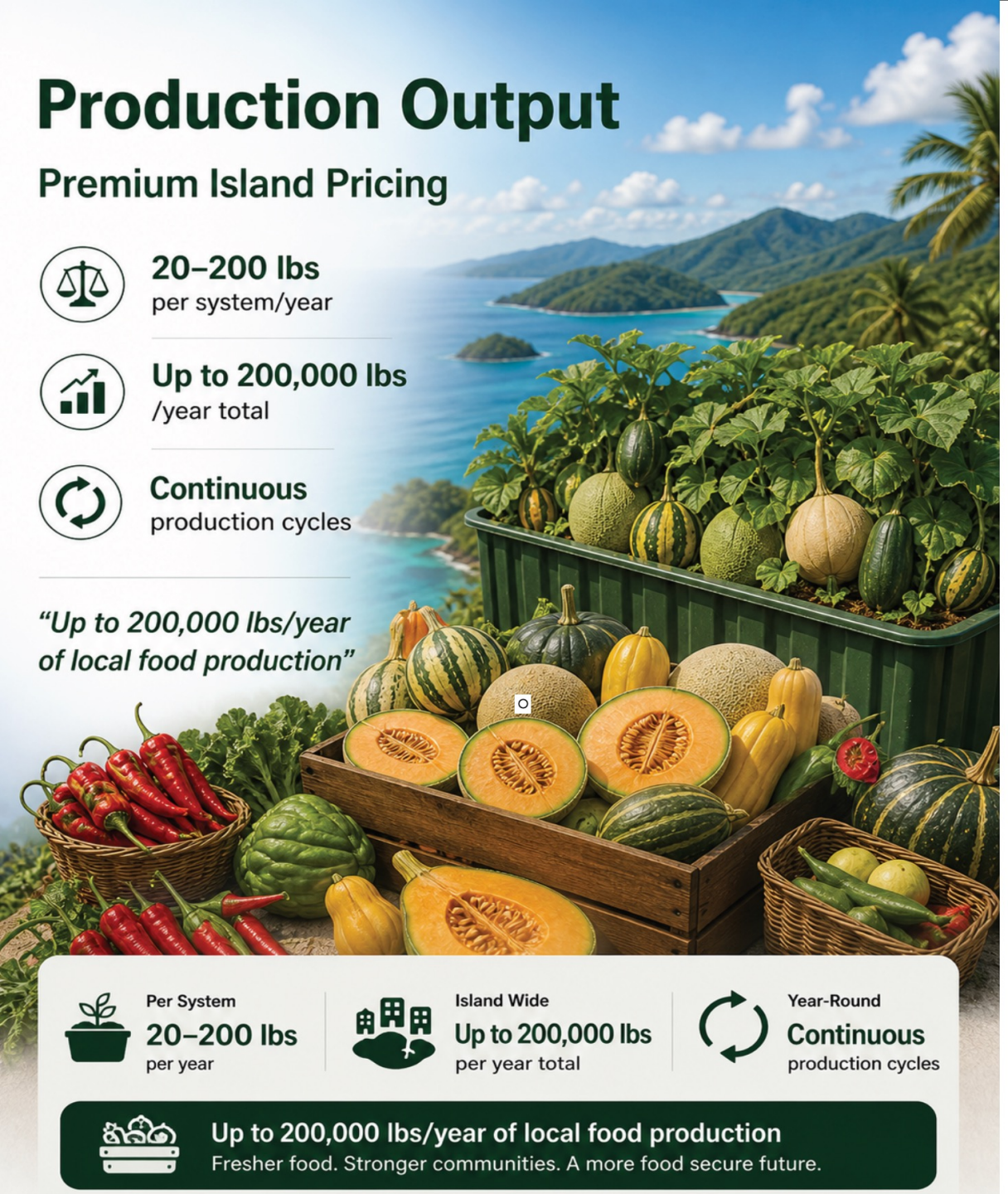


Island Deployment

1,000 Food Systems

- Schools: 150
- Community: 350
- Households: 300
- Demo hubs: 100
- Institutional: 100

"Territory-wide distributed production network"



Production Output

- 20–200 lbs per system/year
  - 3x yield bush beans
  - 4x yield tomatoes
  - 5x yield peppers
- Up to 200,000 lbs/year total
- Continuous production cycles

"Up to 200,000 lbs/year of local food production"

Resource Efficiency

~Only 52 gallons per system per year

~Radically water-efficient: up to 90% less water, with each plant using just 0.07–0.12 gallons per day

~Pre-charged with organically sourced, slow-release fertilizers, reducing fertilizer use by 80–90%

“Grow more food with dramatically less input”

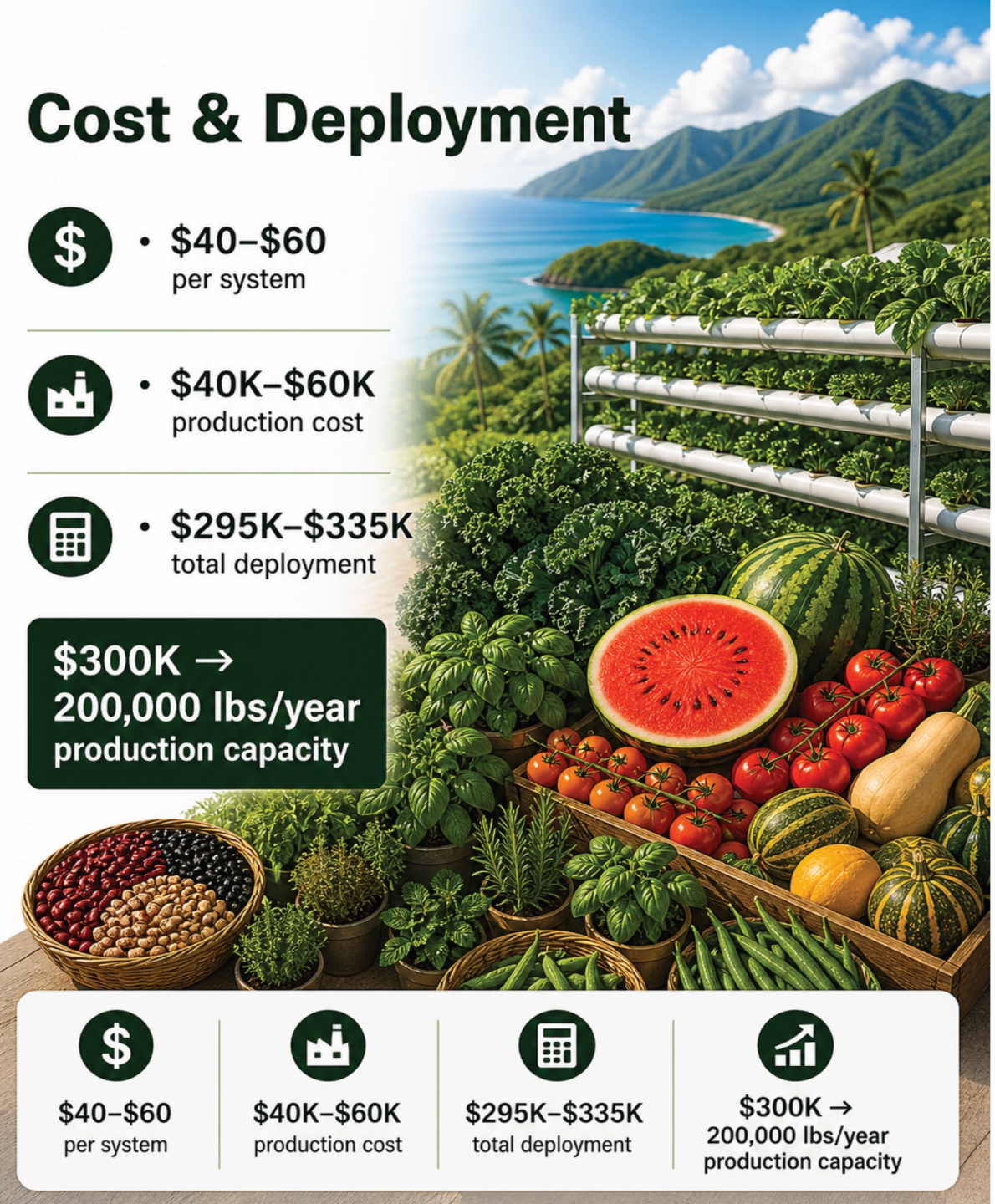
Financial Impact

~$0.15–$1.50 per lb production cost (up to 90%+ below market)

~Current market pricing: $5–$8 per lb, reflecting premium island import costs for fresh produce

~$1.0M–$1.6M annually shifted from imports to local food production

“Produce food at up to 90% below imported cost”



Cost & Deployment

- $40–$60 per system
- $40K–$60K production cost
- $295K–$335K first phase total deployment

“$300K ⟶ 200,000 lbs/year production capacity”

Island Economics

Lowering The Cost Of Food

System	Cost per lb
Imports	$5–$8
Hydroponics	$2–$4
This System	**$0.15–$1.50**

"The lowest known cost-per-pound food production model deployable at scale in island environments."

Food Security Path

- Phase 1 ⟶ 1,000 systems year 1
- Phase 2 ⟶ 5,000 years 2 & 3
- Phase 3 ⟶ 10,000+ years 4 & 5

"Built to scale rapidly across the territory"

Contact

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Island Food Ambassador Network

This initiative establishes the first scalable, decentralized, community-based food production network in the U.S. Virgin Islands, designed to reduce food import dependence by up to 50% by 2031.