

Feed An Island



Hawai'i imports 85–90% of its food.

We grow more here—resiliently,
sustainably, and together.

Stronger islands. Healthier people.

A more secure future.



THE PROBLEM

Hawai'i imports **85–90%**
of its food



Among the highest food costs in the U.S.



Limited local production capacity



High exposure to climate and shipping disruptions

“Most of Hawai'i's food travels thousands of miles before it reaches the plate.”



The Problem

Hawai'i imports 85–90%
of its food

- Among the highest food costs in the U.S.
- Limited local production capacity
- High exposure to climate and shipping disruptions

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The Solution

A distributed food production infrastructure network

- 1,000 micro-production systems deployed across Hawai'i
- Converts small spaces into high output food production assets
- Operates across urban, coastal, and climate-variable environments

From small-scale growing to scalable infrastructure

Why It Works



Limited land



Water constraints



High import costs

Technology Advantage:



2–3x yield
per footprint



Year-round
production



90%
less water



80–90%
less fertilizer

**“Designed specifically
the islands.”**

Why This Model Wins

- Limited land
- Water constraints
- High import costs

Technology Advantage:

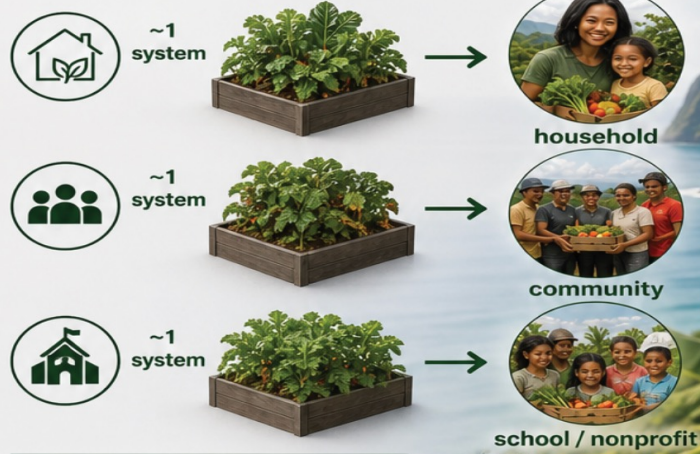
- 2–5x yield per footprint
- Year-round production
- 90% less water
- 80–90% less fertilizer

“Designed specifically for the islands.”

The Model

Food Ambassadors

Growing a stronger, more food secure Hawai'i



“Get Two – Give Two” Structure

-  ~Household production
Grow food for your family.
-  ~Community food access
Share the extra, strengthen your community.
-  ~Self-expanding network
Ambassadors inspire others. The network grows.



Rooted in Hawai'i. Growing for our people. Sharing for our future.

Food Ambassadors

The Model

~1 system → household

~1 system → community

“Get Two - Give Two” Structure






~Household production

~Community food access

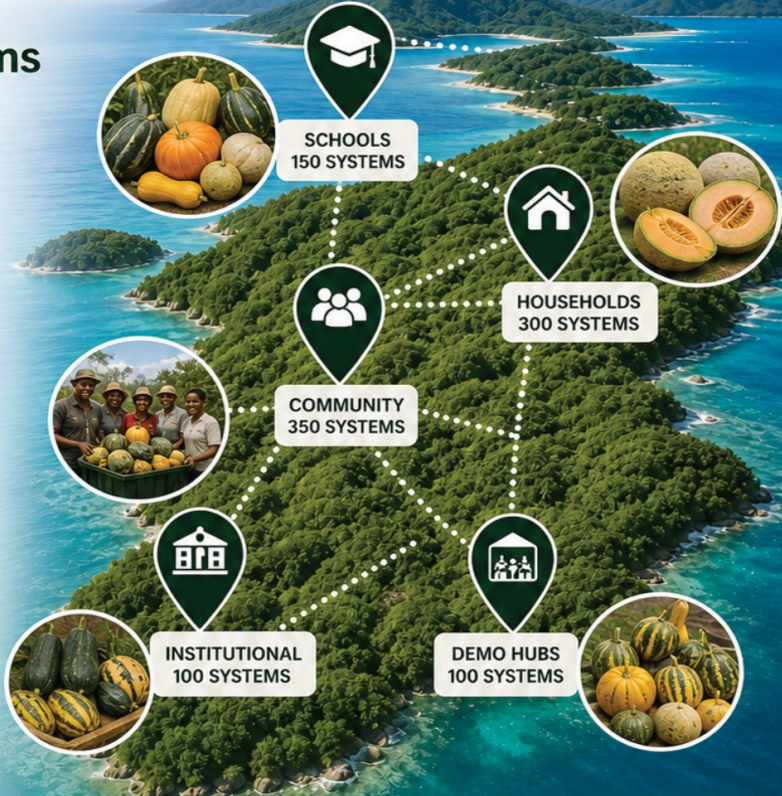
~Self-expanding network quickly creating food security grower-by-grower

Deployment

1,000 Food Systems

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

"Territory-wide distributed production network"



 150 SCHOOLS	 350 COMMUNITY	 300 HOUSEHOLDS	 100 DEMO HUBS	 100 INSTITUTIONAL
				

Island Deployment

1,000 Food Systems

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

"Territory-wide distributed production network"



TERRITORY-WIDE DISTRIBUTED PRODUCTION NETWORK

More sites. More food. Stronger communities.

Production Output

Premium Island Pricing



20–200 lbs
per system/year



Up to 200,000 lbs
/year total



Continuous
production cycles

*“Up to 200,000 lbs/year
of local food production”*



Per System
20–200 lbs
per year



Island Wide
Up to 200,000 lbs
per year total



Year-Round
Continuous
production cycles



Up to 200,000 lbs/year of local food production
Fresher food. Stronger communities. A more food secure future.

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



~52 gallons/year
per system



~90% less water



~80–90% less
fertilizer

*“Grow more food
with dramatically
less input”*



~52
gallons/year
per system



~90%
less water



~80–90%
less fertilizer



Grow more food with dramatically less input.

Smarter use of resources. Stronger communities. A more food secure future.

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 significantly less input”

Economic Impact



~\$0.15–\$1.50
per lb



~\$5–\$8/lb
current market



~\$1M–\$1.6M
import displacement



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



~\$0.15–\$1.50
per lb



~\$5–\$8/lb
current market



~\$1M–\$1.6M
import displacement



Produce food at up to 90% below imported cost

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

 LOW COST High efficiency by design	 BUILT FOR HAWAII Designed for our island environment	 LOCAL IMPACT Jobs, food security & stronger communities	 SUSTAINABLE Regenerating land. Feeding Hawai'i.
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 **Built to scale rapidly across the Hawaiian Islands.**




Cost & Deployment

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

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

Why We Win

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.”



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.


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.”

Scale Path

 **Phase 1** →
1,000 systems

 **Phase 2** →
5,000 systems

 **Phase 3** →
10,000+ systems

“Built to scale rapidly across the Hawaiian Islands.”



Phase 1
1,000 systems
Establish and prove local impact.



Phase 2
5,000 systems
Expand infrastructure and community reach.



Phase 3
10,000+ systems
Island-wide access. Stronger food security.



Built to scale rapidly across the Hawaiian Islands.



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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The Food Ambassador Network

This initiative establishes the first scalable, decentralized food production network in Hawai'i — designed to reduce food import dependence while strengthening long-term island resilience.