

Against the Odds, Can Aquaponics Compete Commercially?

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**LIVE LOCAL
ORGANIC**



The “why” must be known before the “how”
becomes possible

Why
Aquaponics?

Why Aquaponics?



Why Aquaponics?



Why Aquaponics?



Is it
feasible?

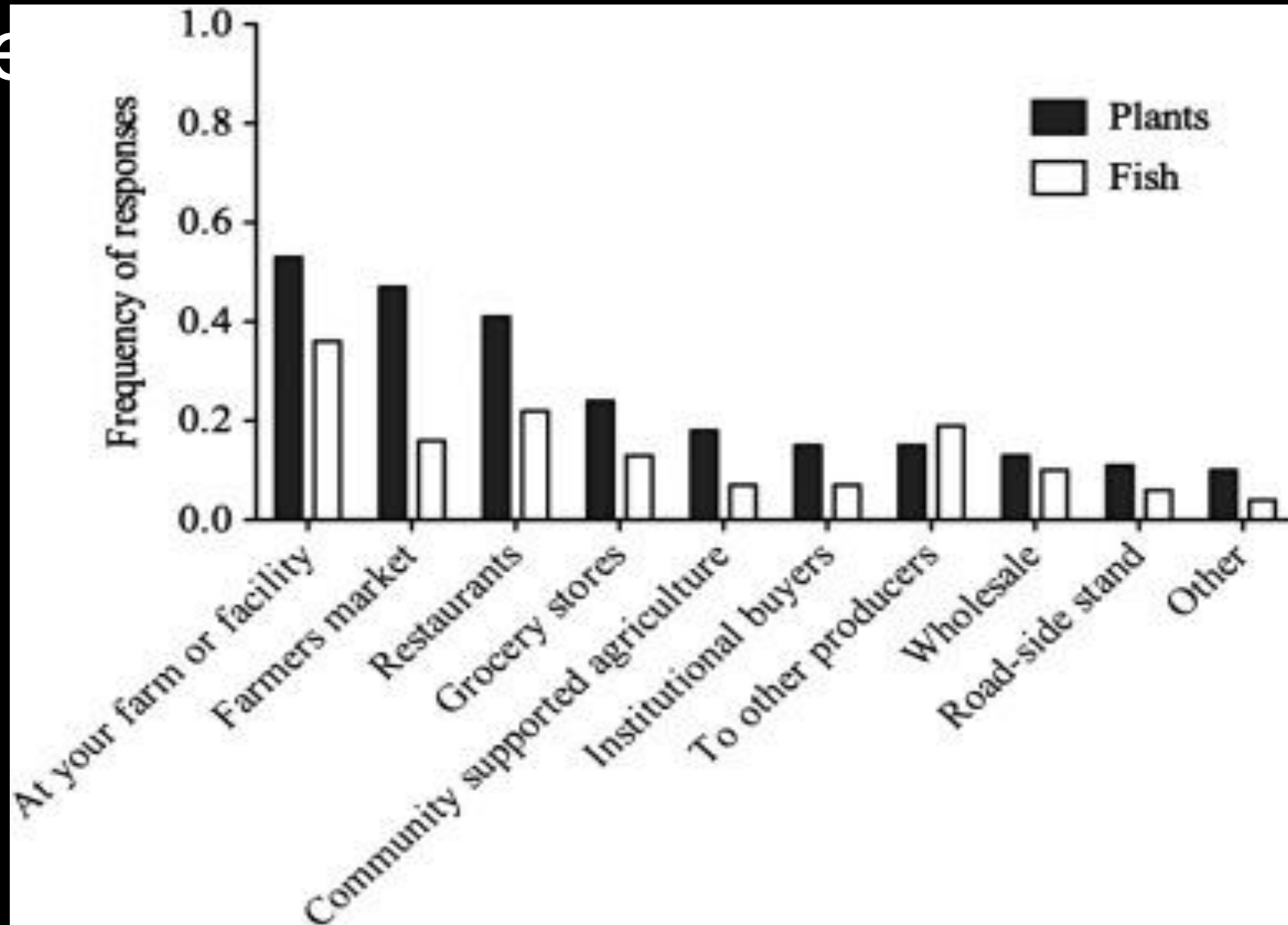
Is it feasible?

Greenhouse	31
Outdoors	15
Greenhouse, inside a building	13
Greenhouse, outdoors	13
Greenhouse, outdoors, inside a building	9
Inside a building	7
Outdoors, inside a building	4
Greenhouse, outdoors, rooftop, inside a building	2
Greenhouse, rooftop, inside a building	2
Greenhouse, rooftop	1
Outdoors, rooftop	1

Is it feasible?

Raft, media bed	26
Raft	14
Media bed	13
Raft, media bed, NFT	10
Raft, media bed, NFT, vertical tower	9
Raft, media bed, vertical tower	8
Raft, NFT	3
Media bed, vertical tower	3
Vertical tower	3
Raft, media bed, NFT, vertical tower, wicking bed	2
Other combinations of methods	10

Is it
feasible



Is it
feasible?

The Results:

- 32% of the farms said that they made a profit in the previous 12 months
- 49% expected to be profitable in the next 12 months
- 72% expected to be profitable in the next 36 months

Is it
feasible?

The Results:

- Many of these farms were less than 5 years old
- New technology has already made growing much more efficient since the survey

Why
now?

What is different
now?



What is different
now?



What is different
now?

Increasing Customer
Scrutiny



What are the
opportunities?

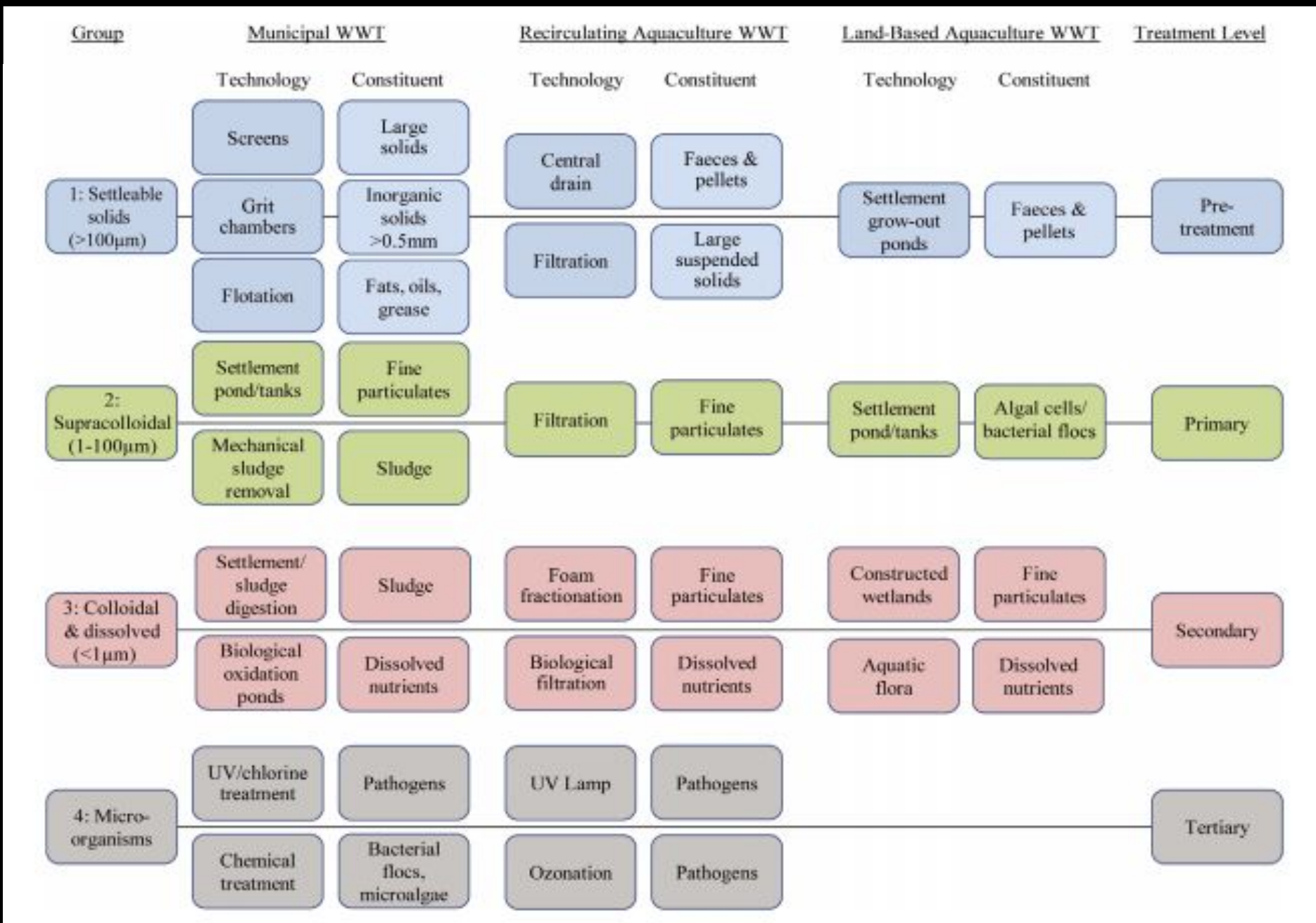
What are the opportunities?



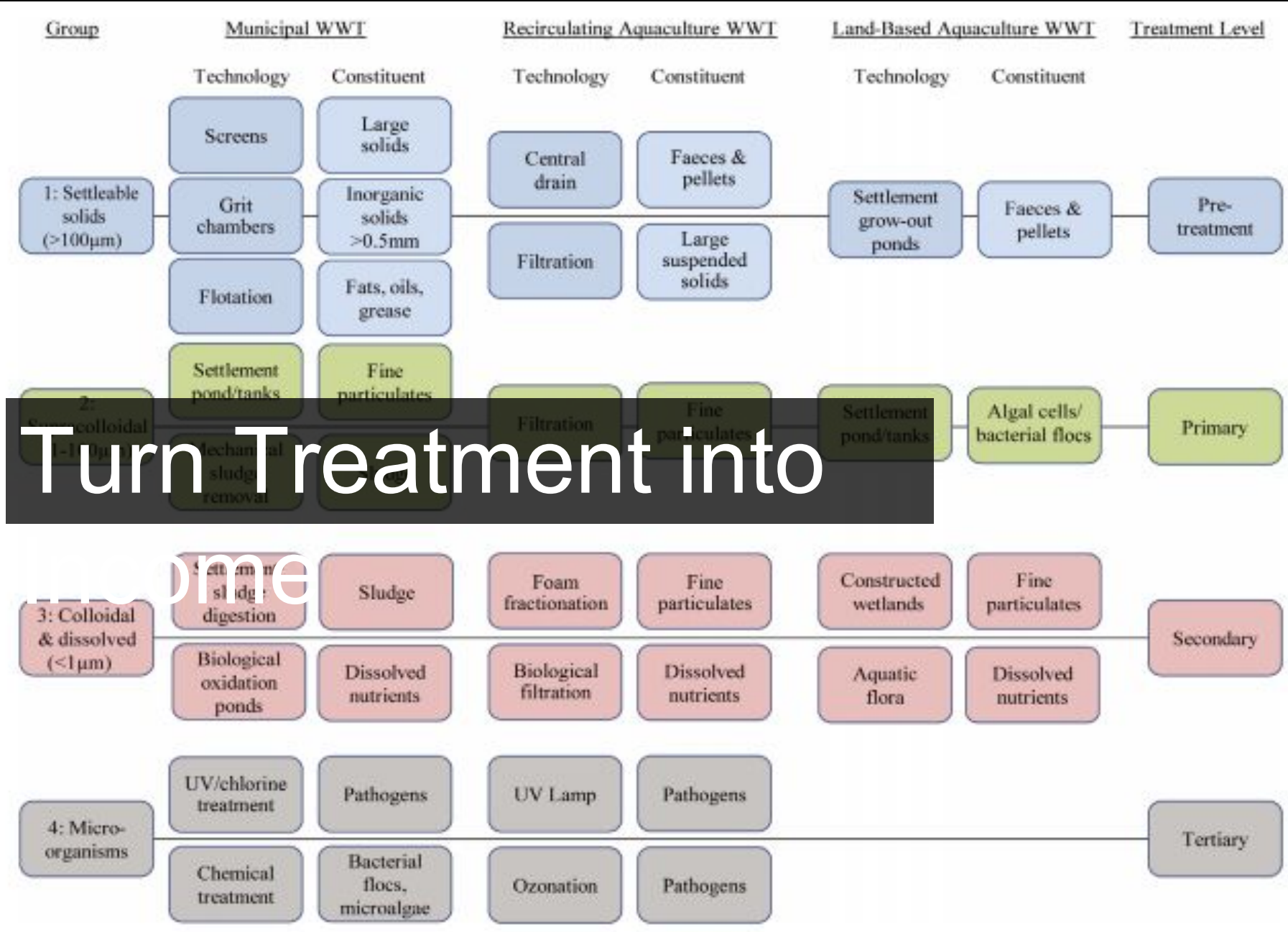
What are the opportunities?



Collaboration



Collaboration



Turn Treatment into

Time

What are the opportunities?

Partnerships

Farm Size: 10,000 SF

Grow Area: 6,000 SF

Potential Weekly Production (Multi Stacked):
9000 Heads

Potential Weekly Revenue: \$12,150

Potential Monthly Revenue: \$52,650

Potential Annual Revenue: \$631,800

Capital Cost: \$500,000

Cost to Operate: \$400,000

Efficiencies Gained: Cost of Land, Cost of
Labor, Distribution

How can you get
involved?

How can you get involved?

Aquaponics
Farmers



How can you get
involved?

Aquaculture
Farmers

A close-up photograph of several hands holding and fitting together wooden puzzle pieces. The pieces are in various colors: orange, white, green, and red. The hands are positioned around the pieces, suggesting a collaborative effort. The background is a soft, out-of-focus blue.

How can you get
involved?



**KEEP
CALM
AND
COLLABORATE**

Final Thoughts

Many aquaculture systems generate high amounts of wastewater containing suspended solids, nitrogen and phosphorus. As demand for fish increases, it may be necessary to develop more rigorous and efficient waste water treatment systems. Aquaponics presents an exciting opportunity to turn that treatment into income.

Collaboration Opportunities Include

- Land Sharing
- Labor Specialization
- Distribution
- Investor connections
- Government programs (Increasing fish farm profitability through aquaculture best management practice training in Egypt 2016)
 - Extension services
 - Food safety Training
 - Technical Training