



Sustainable Fertilizers On Demand

The Problem with Fertilizers



Damages Soil Overtime

2.6 Gigatons of Carbon

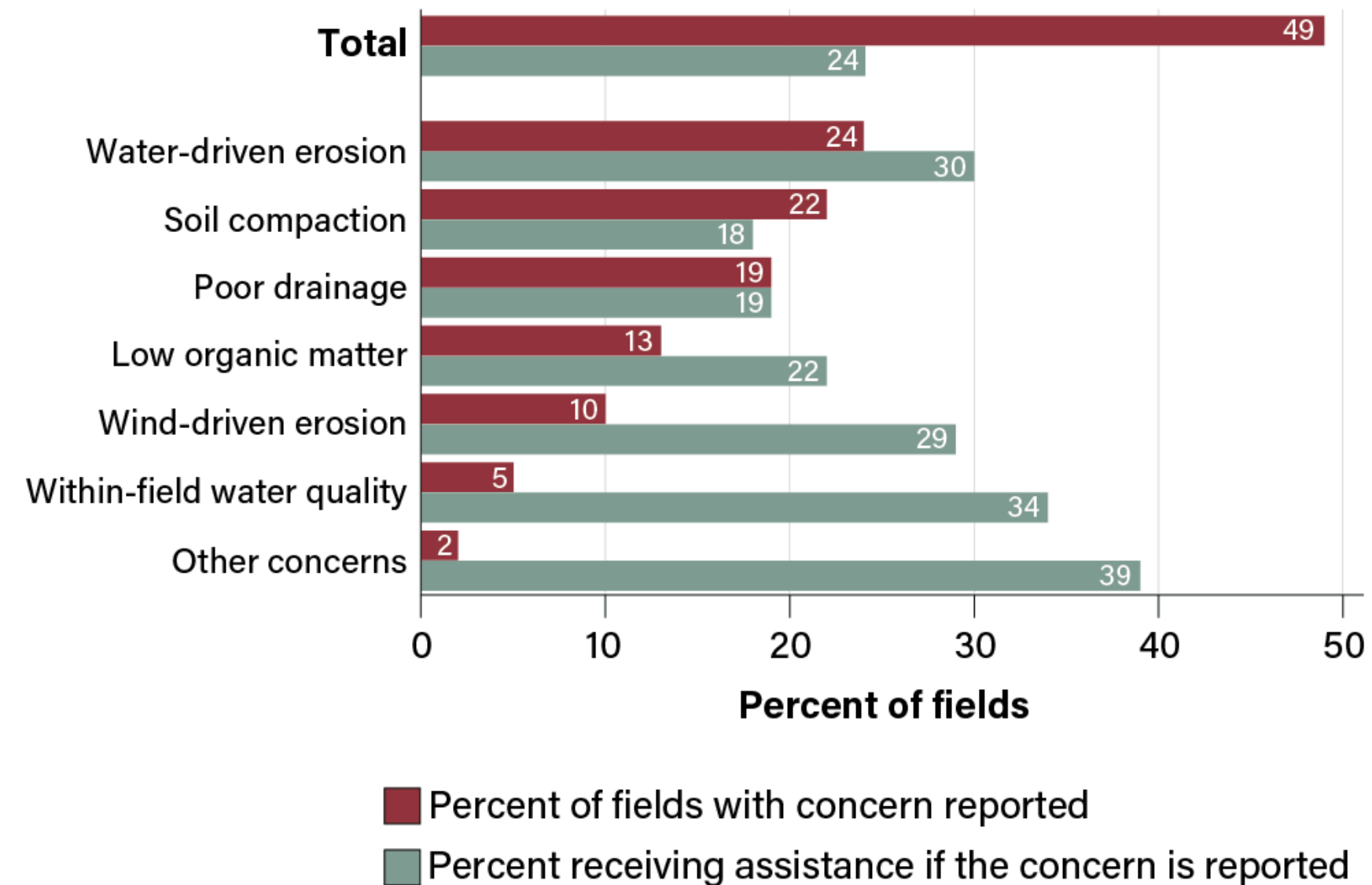
Expensive!

Problem

- **49% of all US farmers report issues with their soil quality.**
- Water Driven Erosion, Soil Compaction, and Low Organic Matter are all issues that operate together.

Farmers report resource concerns on almost half of their fields, seek technical assistance on about a fourth of fields with a concern

Soil resource concern



Notes: The chart summarizes data on soil and water concerns reported across all versions of USDA's Agricultural Resource Management Survey (ARMS): oats (2015), cotton (2015), wheat (2017), and soybeans (2018). Percentages for each concern include fields with multiple concerns. The chart also summarizes data on technical assistance received for resource concerns reported across all the ARMS versions. For example, 24 percent of farmers reported a water-driven erosion concern. Among those farmers who reported water-driven erosion concern, 30 percent received technical assistance. The **other concerns** category represents within-field concerns not already specified.

Source: USDA, Economic Research Service and USDA, National Agricultural Statistics Service, Agricultural Resource Management Survey, Phase 2 for 2015, 2017, and 2018.

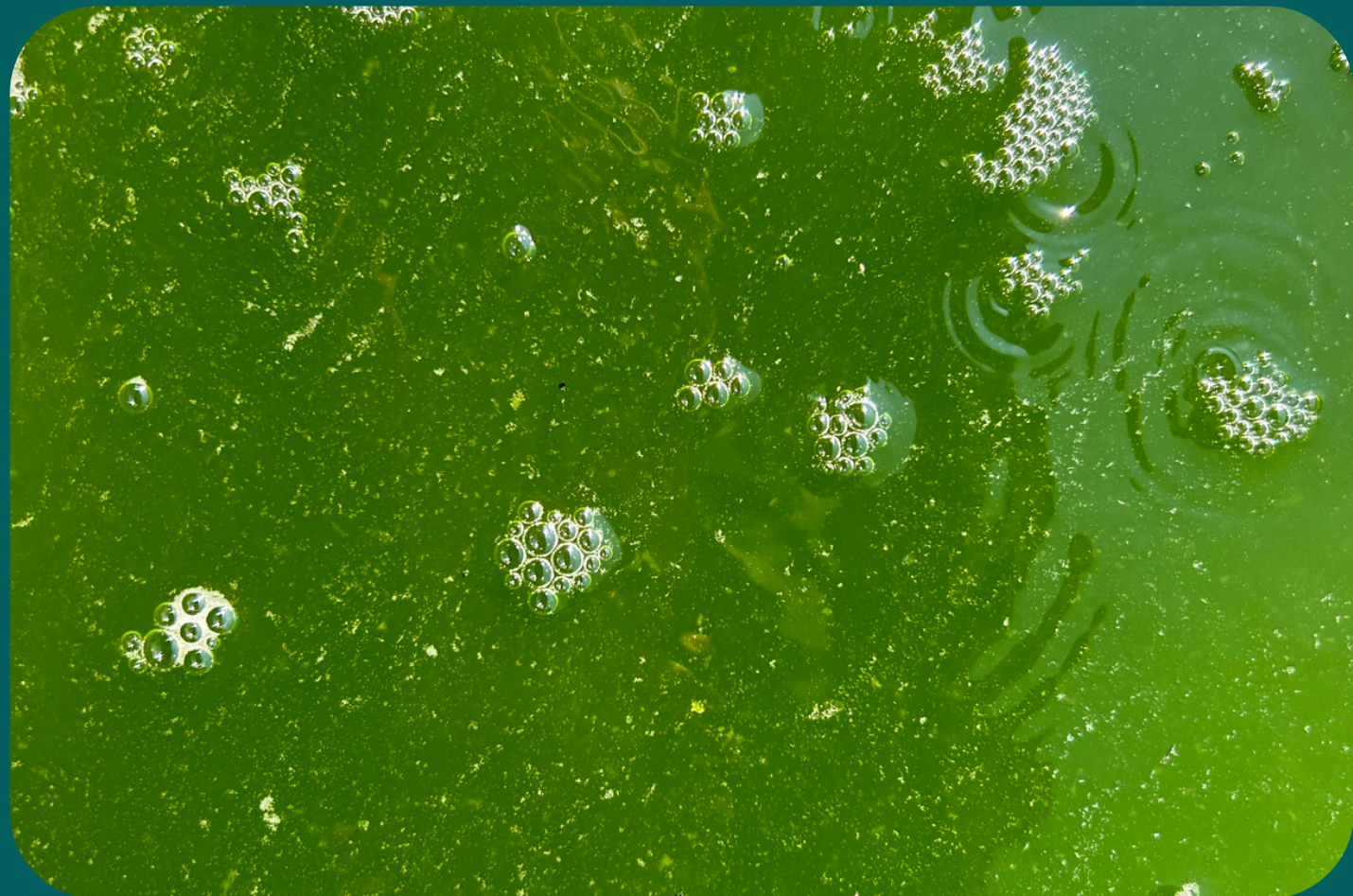
Solution

The Algaeo Way!

Fast, Sustainable, Affordable, Organic, and Beneficial to Soil.

1

Customized Microbial Blends



2

Production On-Site via the Algaeo G-Module



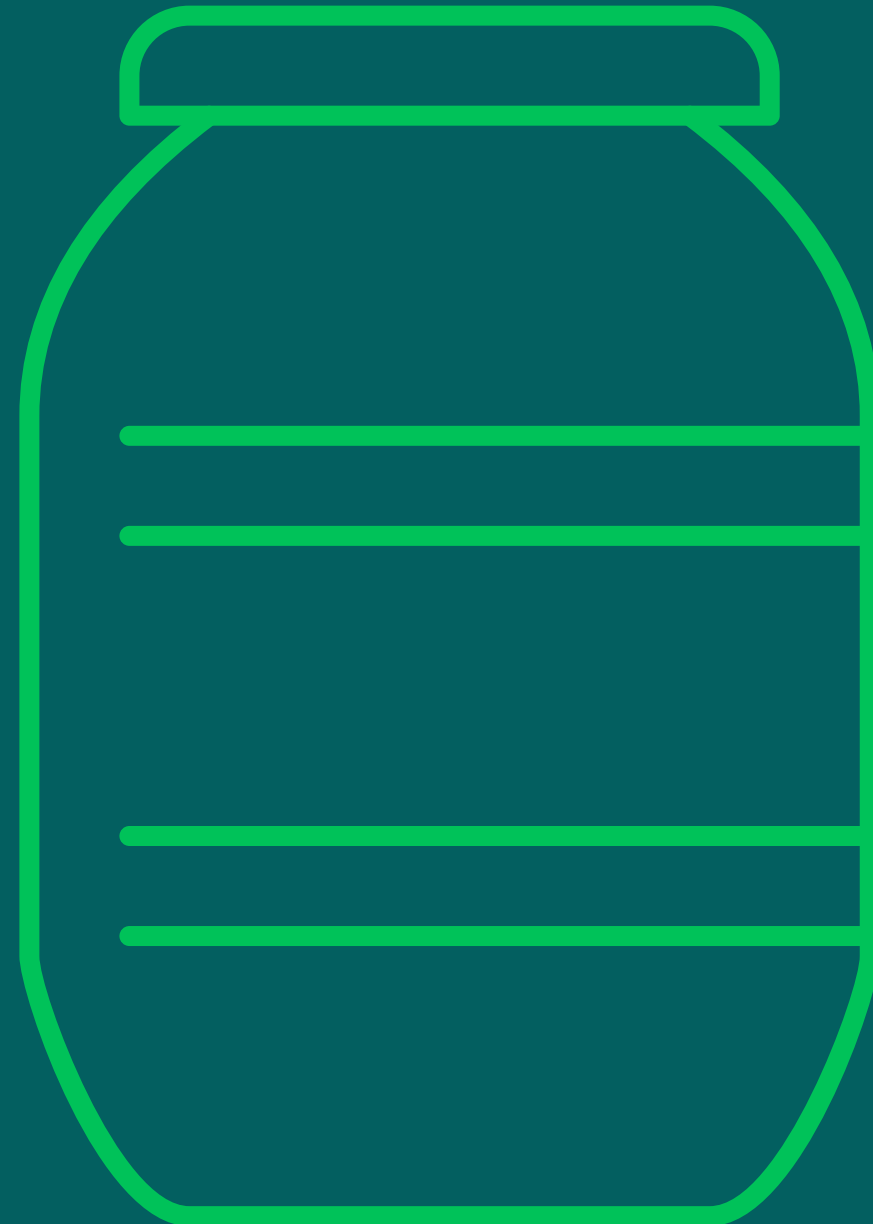
On-Site Production of Fertilizer

Located on-site,
Farmers can
utilize as
needed.

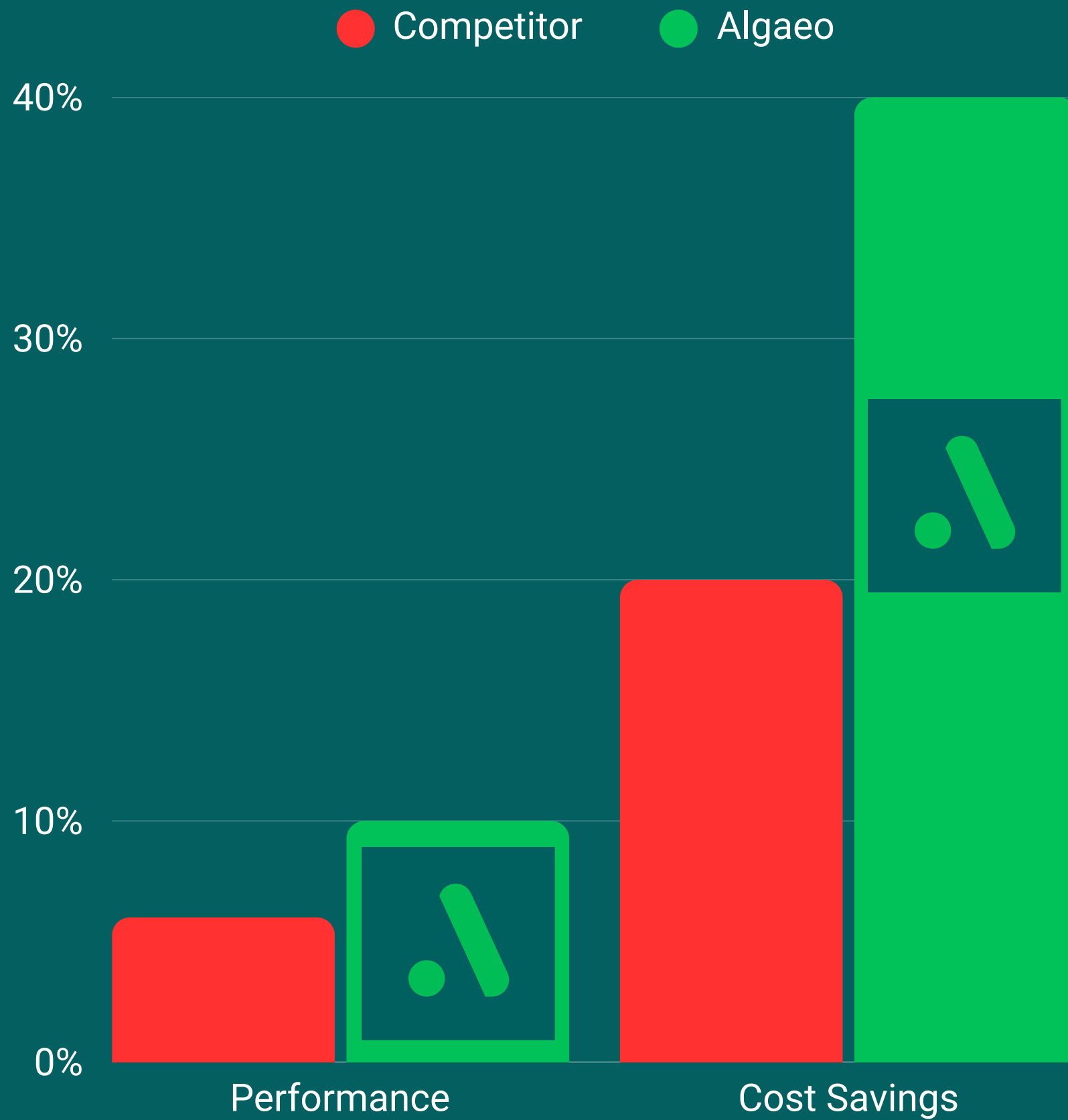
Optimize certain
microbes based
on the needs of
your soil.

Boost NPK as
you need.

Distribute with
other products
and ingredients



Algaeo's Benefits



40% cost savings.

CO2 Capture and Sequestration

Organic Matter Boost



5% increase in yield.

Nutrient Cycling

How It Works

Reduce Nutrient Inputs Needed to Grow Microalgae.

Fits to 55 gallon round barrel drums or 275 gallon IBC totes.

Manual Module --> Offers Simplicity and Low Cost Access.

Auto Module --> Offers sophistication, autonomous functionality, and enhanced carbon capture.

CLEAN YOUR CONTAINER

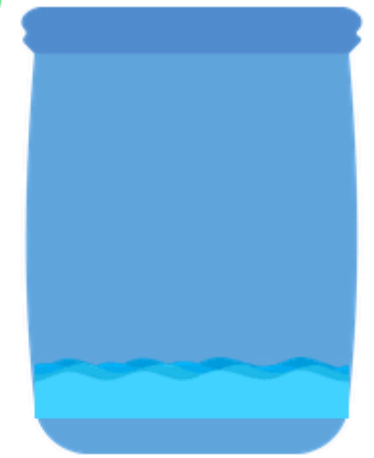
1



Make sure you rinse out your barrel of any contaminants. Do not use any detergents or materials to clean it, only water.

FILL CONTAINER A QUARTER OF THE WAY

2



Filling the container a quarter of the way allows the growth of algae to be better monitored. Aim for 9 gallons for a 55 gallon round barrel drum and 55 gallons for a 275 gallon ICB tote.

ATTACH THE SYSTEM

3



Attach the system and allow it to run for 10-15 minutes. The purpose of this is to aerate the water and allow the temperature of the water to properly mix.

POUR IN THE CULTURE!

4



Pour the culture into the barrel. Set the system to run every 2 hours, and then allow the culture to grow in the barrel. After the color changes to a dark green, add another 10-20 gallons of water.

Business Model

Hardware, Customized Blends, Additives, and Subscriptions

\$500 - ManualModule

\$2500 - AutoModule

**\$25 Per Acre for
Customized Blend**

+

Service Fee

**\$850 - 55 Gallon
Drum**

**\$2200 - 275 Gallon
Tote**

Competition

Efficiency & Sustainability

Cost Savings



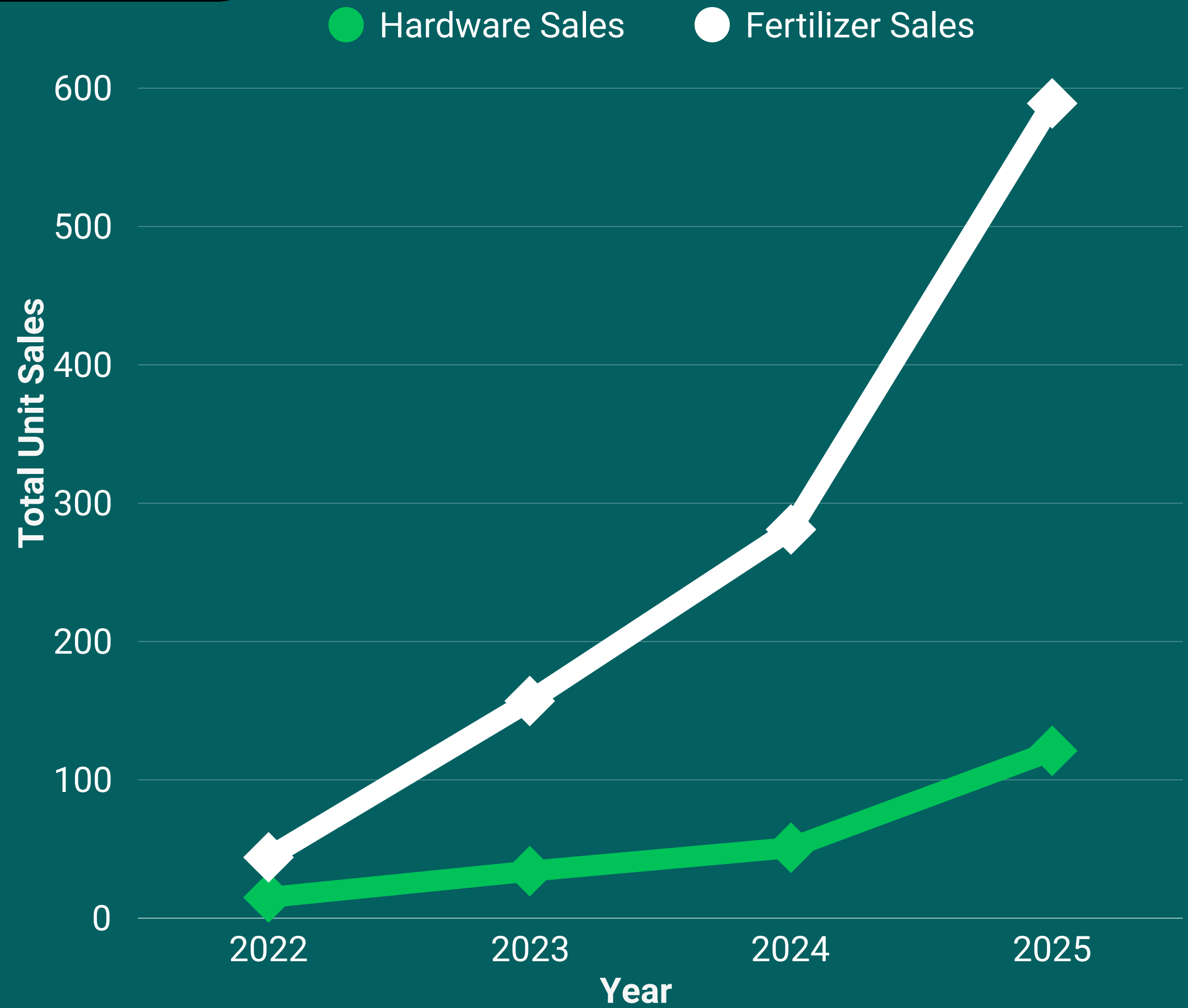
Traction

Sales

\$50,000

Grants

\$630,000

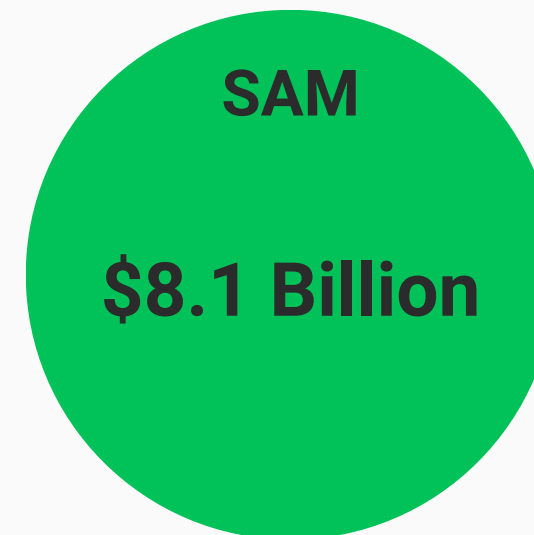
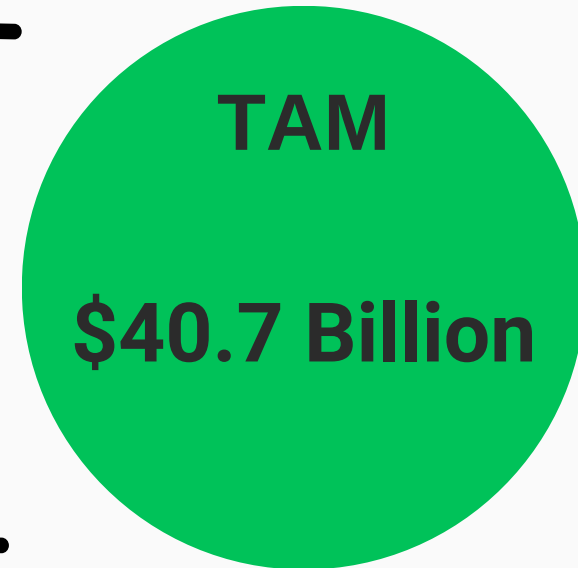


Market Opportunity

**Small
Organic
Farmers**



**Home Lawn
and Garden**



Our Team



Dr. Nicholas J. Sokol
Founder and CEO
Background in
Environmental Science.



Dr. Mayra A. Roman-Rivera
Chief Logistics Officer
Product management
expert.



Dr. Jesse Labbe
Advisor
Microbiology and Soil
expert.
Startup Founder.



Anthony Sanguinetti
Advisor
Agricultural Industry
Expertise.
Business Operations.

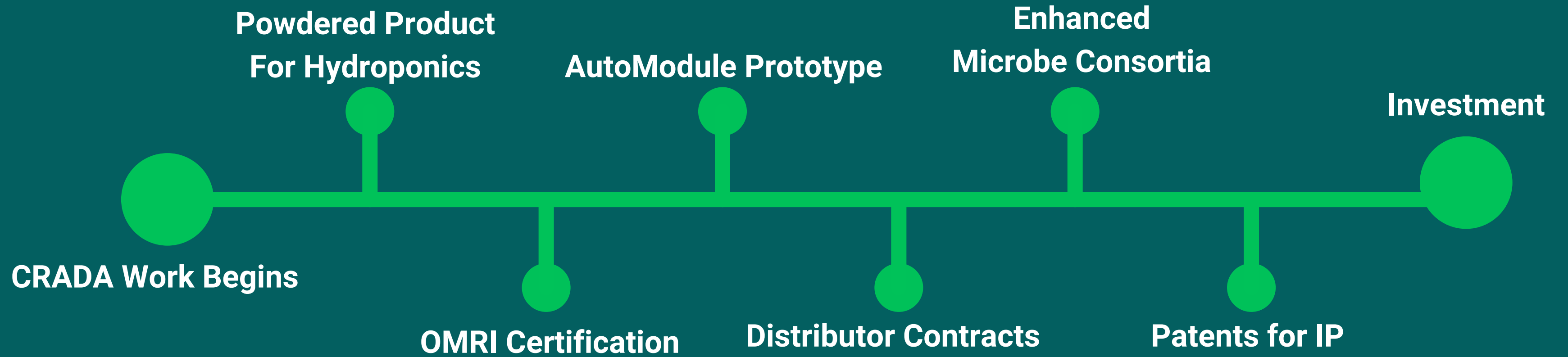


John Belanger, JD, CFA
Advisor
Startup Management
Finance and Product
Strategy.

Partners



Milestones



Spring 2025

Spring 2026

Since Innovation Crossroads

Two Interns --> Assisting us with product enhancement and market outreach.

Microbe Consortia Discovery --> Working with ORNL has provided pathways to incorporating microbe treatments for soil.

Distributor Partnerships --> We are building relationships with two distributors to have our products distributed at scale and in large volume.

Product Enhancements --> We've enhanced our hardware to account for a variety of challenges from control of trapped gas, to enhanced nutrient delivery for algal biomass production.

Scientific Partnerships with UT and Purdue --> We are working on field trials with Purdue and UT.

Recurring Revenue With Urban Farms --> Partnerships with Urban Farms in Knoxville and Columbus, OH provide revenue for future growing seasons.

Thank You For Listening!

Please Join Us In The Algaeverse!

Algaeo



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