



Algae-based Reactive Carbon Capture Opportunities

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GLOBAL ALGAE

Creating an abundant & sustainable world

Founded in 2013 with the Vision to:

***harness the unparalleled productivity of algae to provide
food and fuel for the world, dramatically improving the
environment, economy, and quality of life for all people. .***

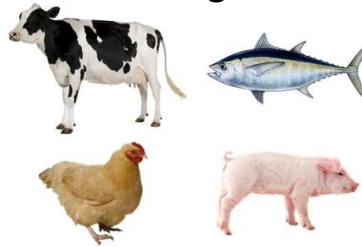


Algae Products

Protein Meal



Feed Ingredients



Food Ingredients



Algae Oil



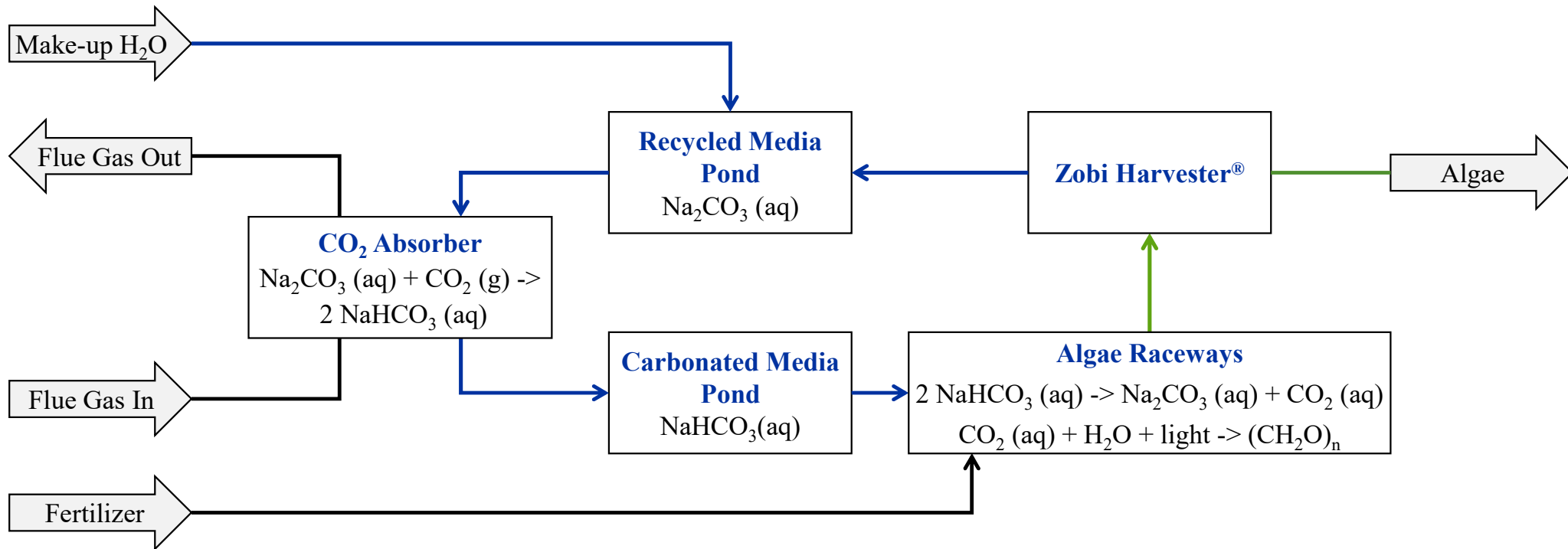
Consumer Products



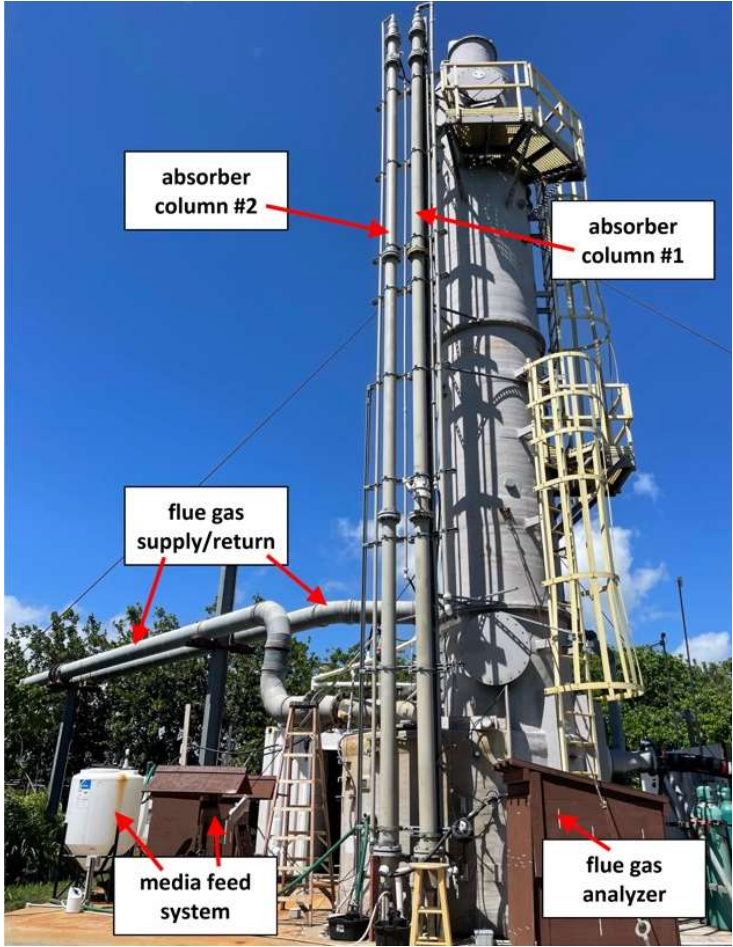
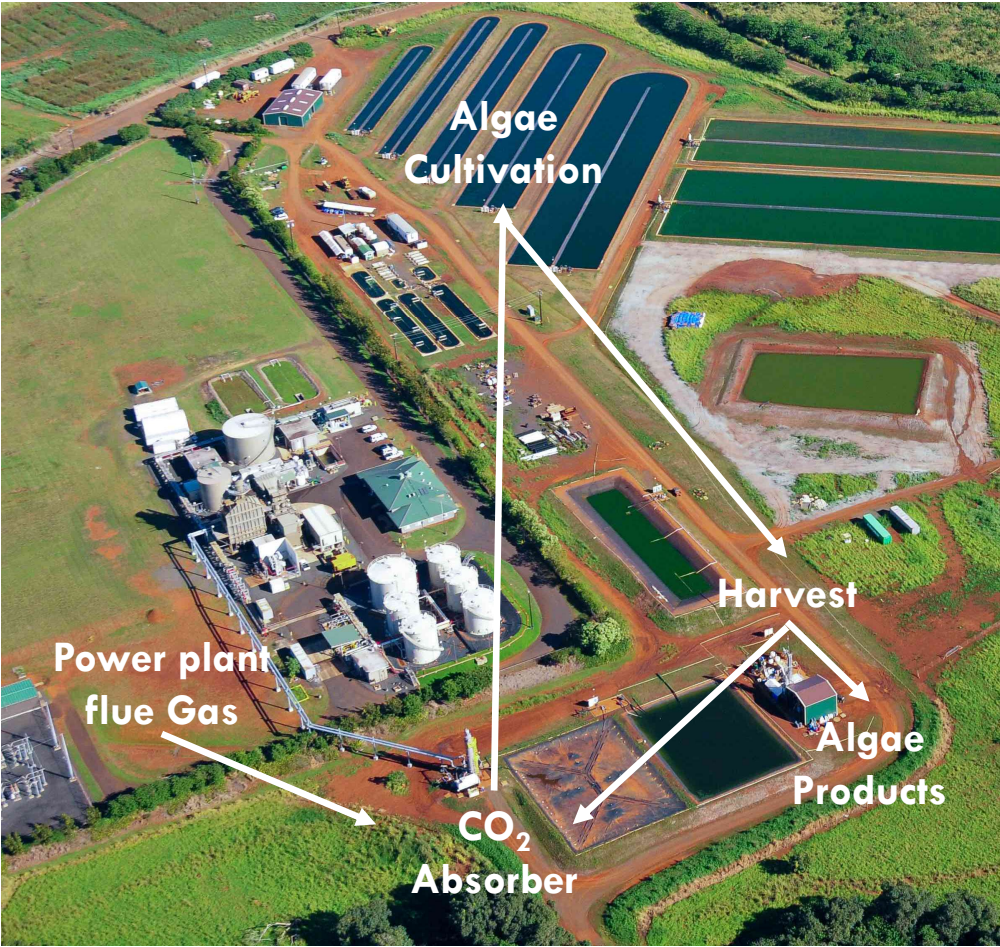
**Jet fuel, diesel,
and gasoline**



Simplified Block Flow Diagram

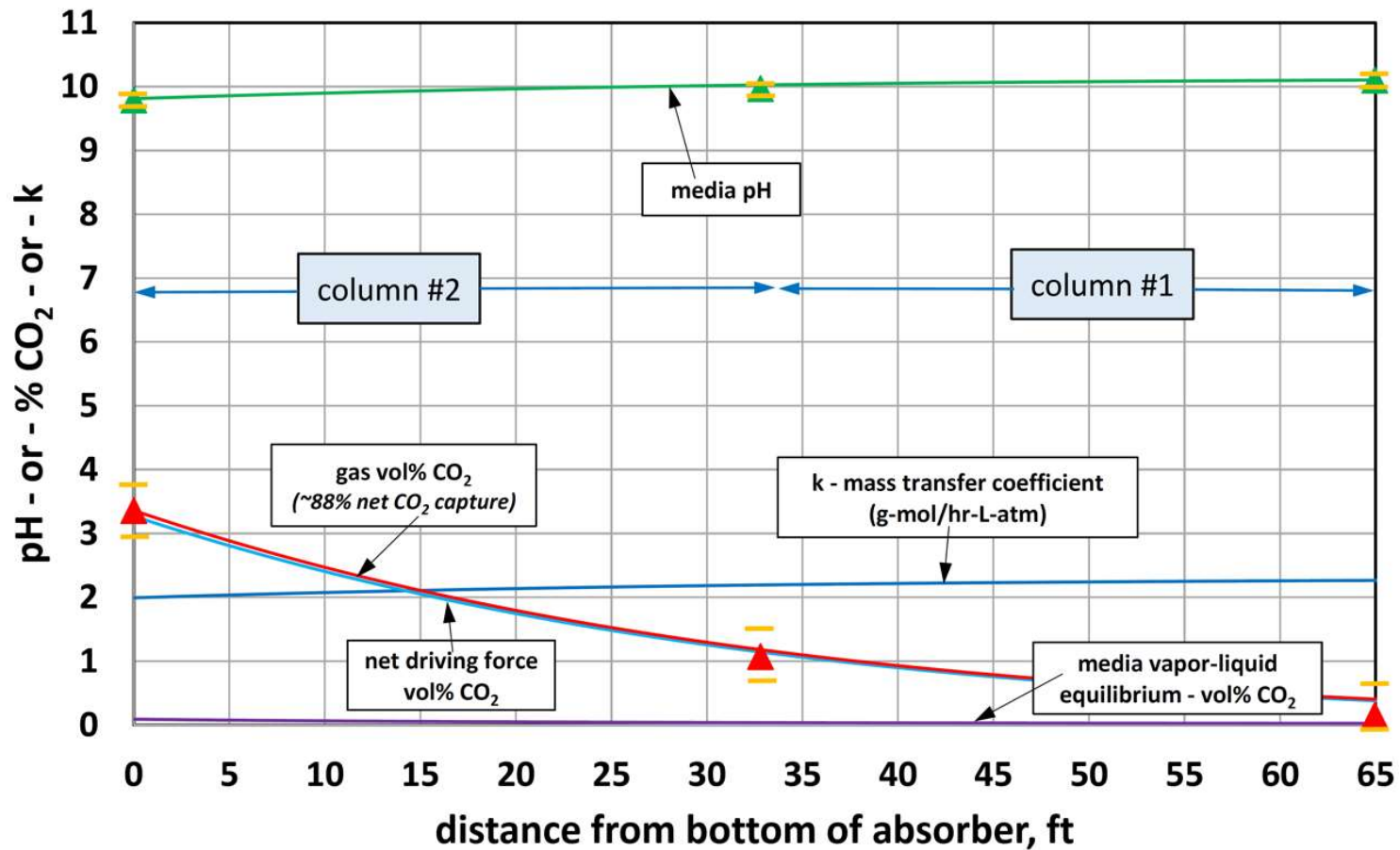


Reactive Carbon Capture Implementation at the Kauai Algae Farm



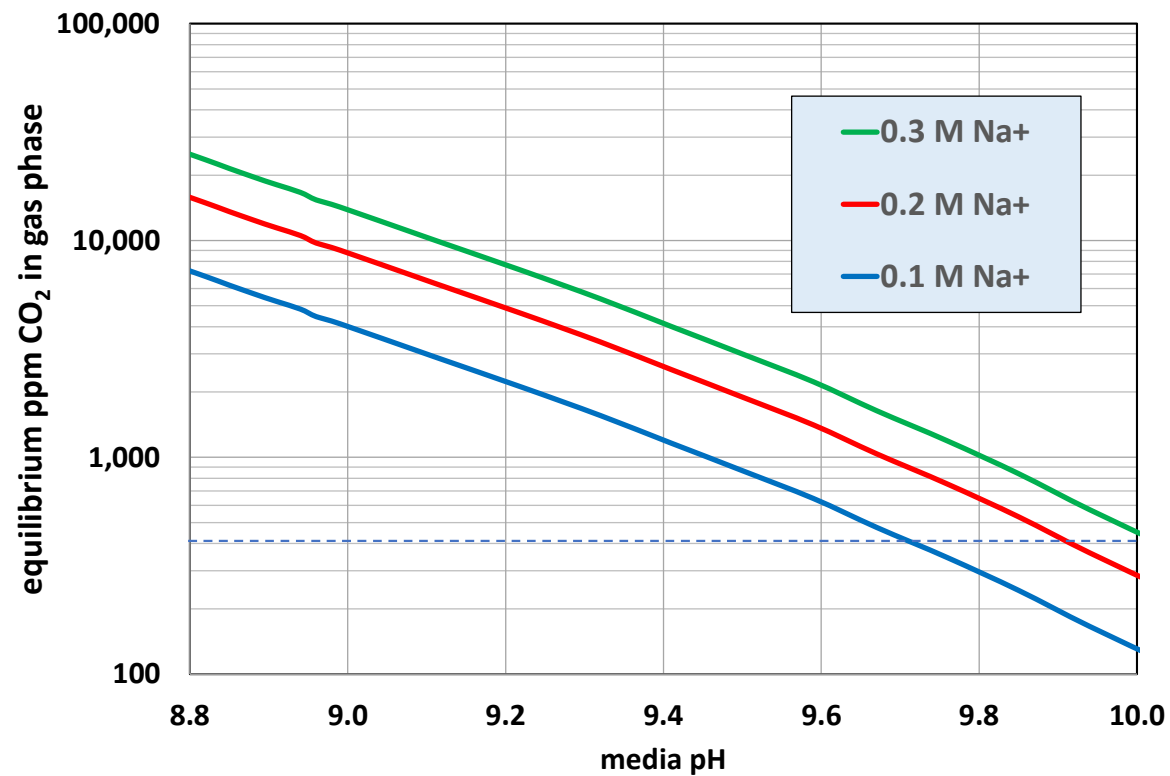
Absorber Test Results

Consistent with Process Model Predictions

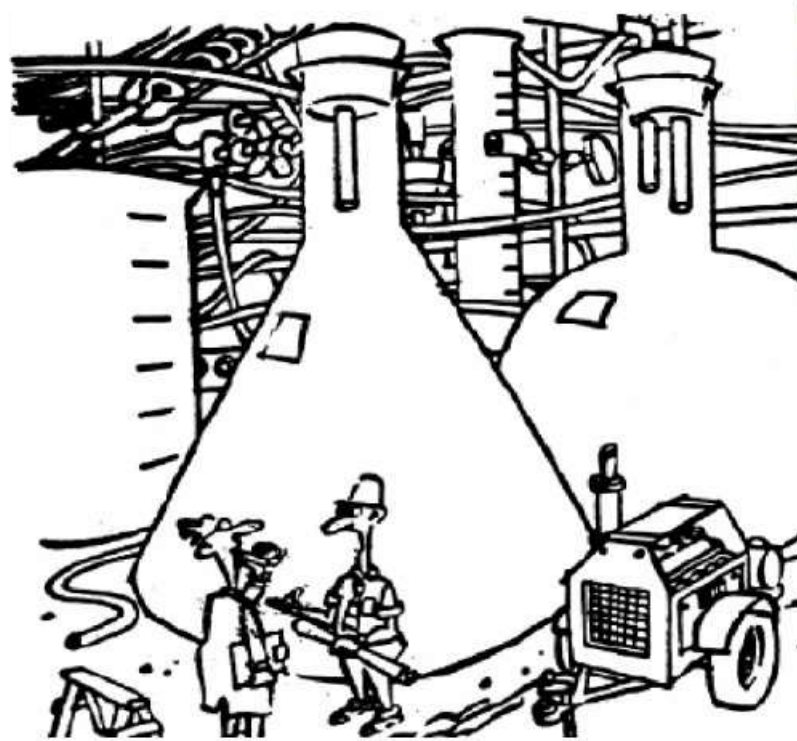


Direct Absorption into Open Raceways at Higher pH

Vapor-Liquid Equilibrium at 30°C

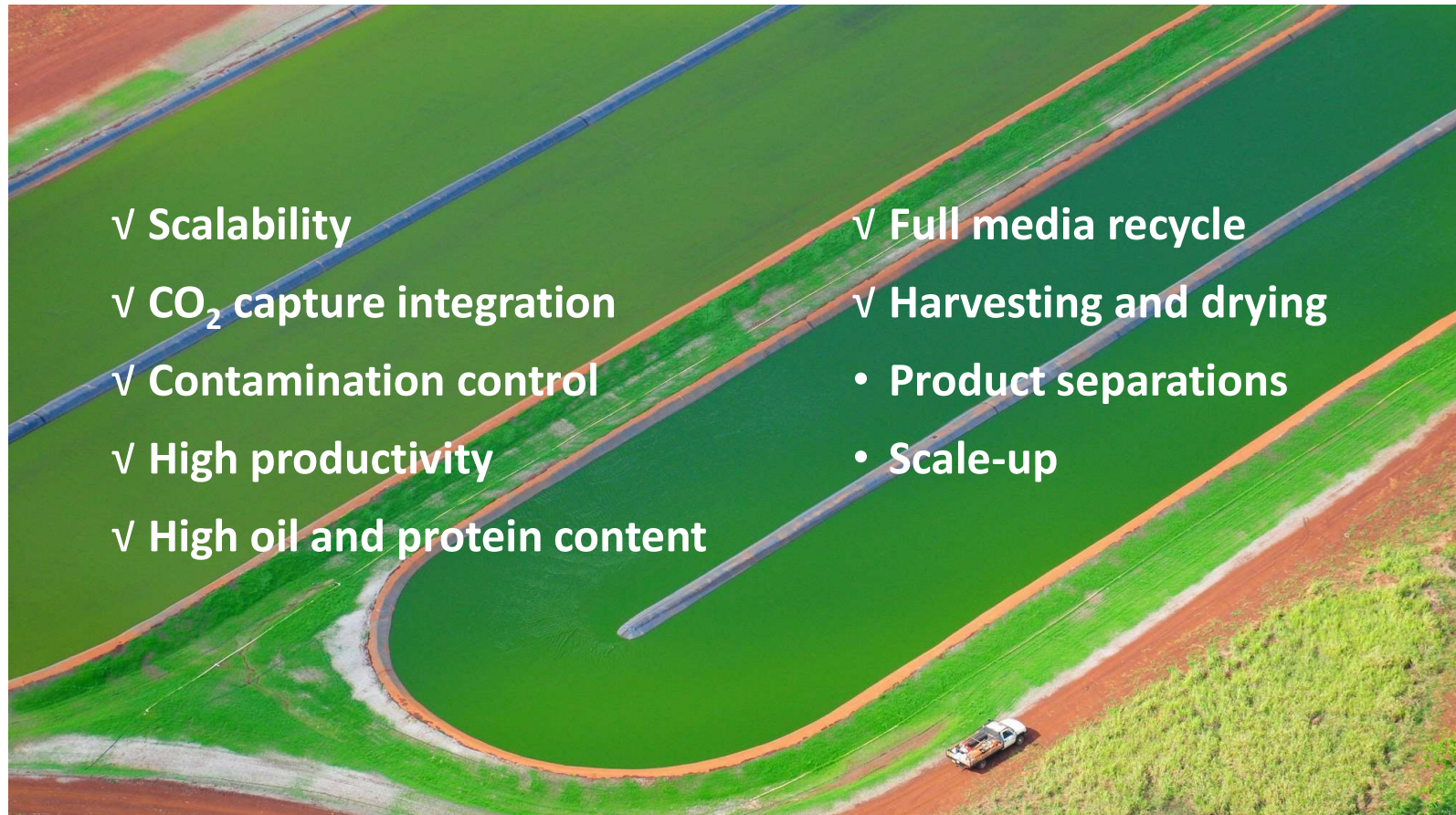


Economical, Scalable Technology is Essential



We seem to be having a few problems going from lab-scale to full-scale production

R&D Challenges for Algae Reactive Carbon Capture



Zobi Harvester





Algae Farming is an Essential Component of the Climate Change Solution

IPCC Pathways







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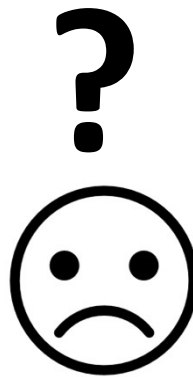




Today



↓15 Gt CO₂ / year



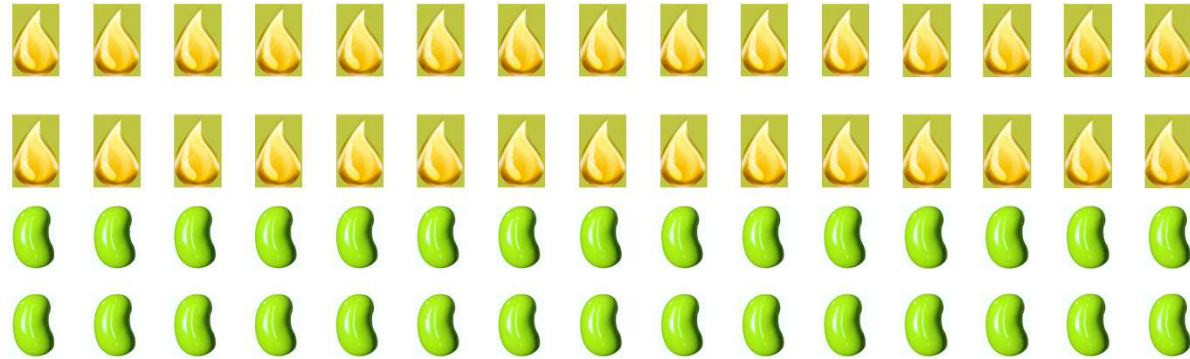
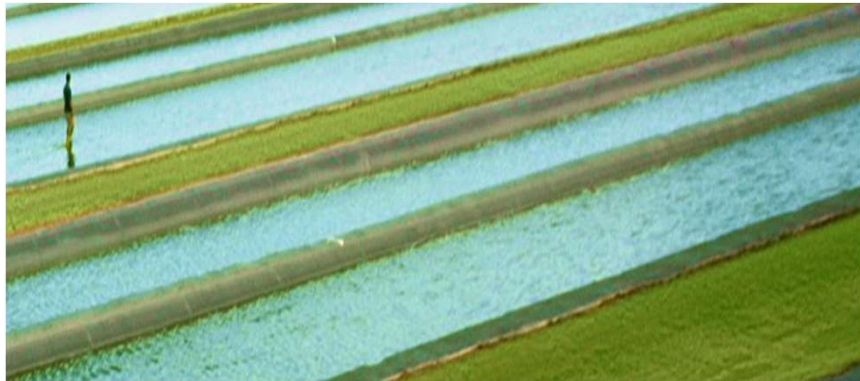


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Soy and Palm: 1x /acre



Algae: 30x /acre



Today



↓15 Gt CO₂ / year



Global Algae

You!



Acknowledgement

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