



Dr. Walt Rakitsky
Corbion, formerly TerraVia

- 🌐 Dr. Walt Rakitsky is senior VP of emerging business at Corbion, formerly TerraVia.
- 🌐 TerraVia was founded as Solazyme in 2003, producing microalgae for use in fuels and chemicals before refocusing on human and animal nutrition and personal care products. The company is based in South San Francisco, California.
- 🌐 In September, Dutch food ingredients manufacturer Corbion acquired TerraVia.
- 🌐 AlgaPrime™ DHA aquaculture feed ingredient is the recipient of GAA's 2017 Global Aquaculture Innovation Award, sponsored by Preferred Freezer Services.



DELIVERING ON THE PROMISE: A NEW SOURCE OF ALGAE OMEGA-3s

AlgaPrime^{DHA}TM

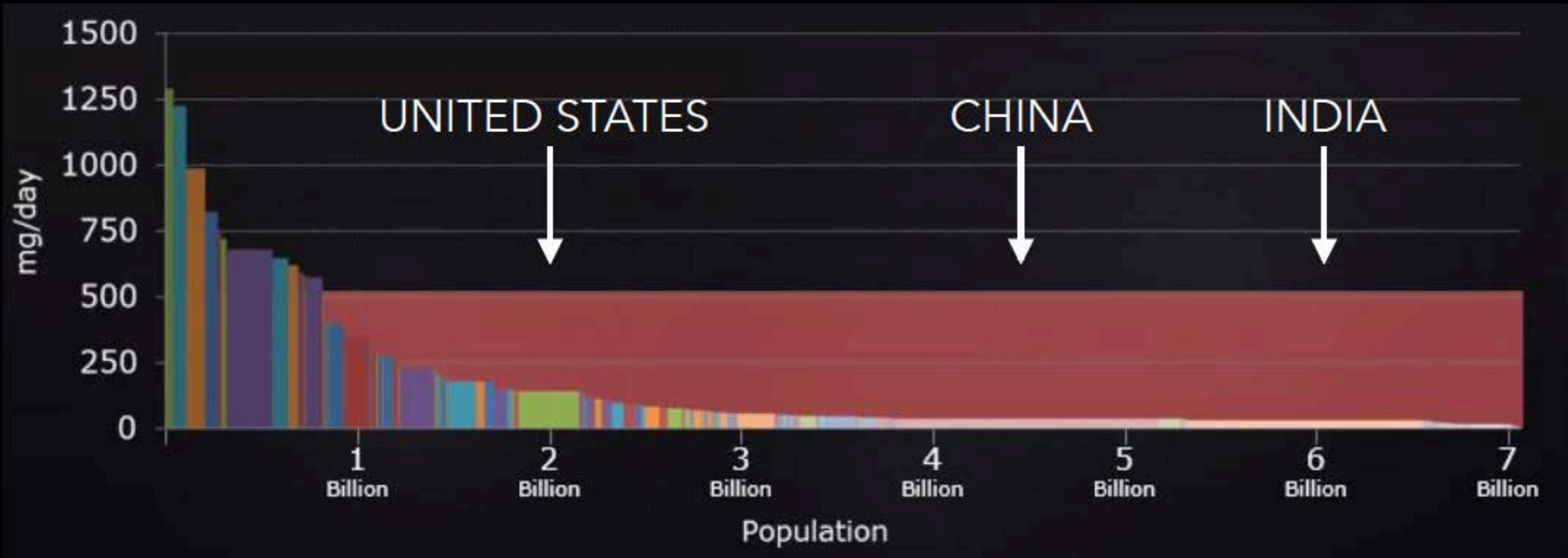


OMEGA-3's ARE IMPORTANT AT ALL STAGES OF LIFE



LARGE SEGMENTS OF THE POPULATION FAIL TO MEET GOED RECOMMENDATION

Population-Weighted EPA & DHA Intakes by Country



The majority of health organizations recommend a minimum of 200 mg of marine omega-3s each day for healthy adults

200MG
EACH DAY



DEMAND
500 KMTA

With a growing population of seven billion people – demand for marine omega-3s is at an all time high

Global annual production of fish oil is limited to 1mmMTa with ~25% rich in marine omega-3s

SUPPLY
250 KMTA



■ Marine Omega-3s
■ Other FA

Fish Oil ~ 25% Ω-3



DEFICIT
250 KMTA

A deficit of marine omega-3 rich fish oil exists. We need new sources to bridge the gap.

WORLD'S LARGEST TRADER OF TRIGLYCERIDE OILS...



- Leading agribusiness
 - protein, carbohydrates & oils
- \$50B+ net sales; ~400 facilities
- 32,000 employees
- Largest vegetable oil business worldwide
- Global reach (40+ countries)

... MEETS THE WORLD'S LEADING ALGAE PLATFORM



- Microalgae bio-based ingredients innovator
- Market leader in lactic acid and lactic acid derivatives, oils, proteins & polysaccharides from fermentation
- > \$1B revenues and >1,500 employees



2014 Presidential Green
Chemistry Challenge Award
Winner



George Washington Carver
Award for Innovative
Industrial Biotechnology

TO FORM A DISRUPTIVE JOINT VENTURE



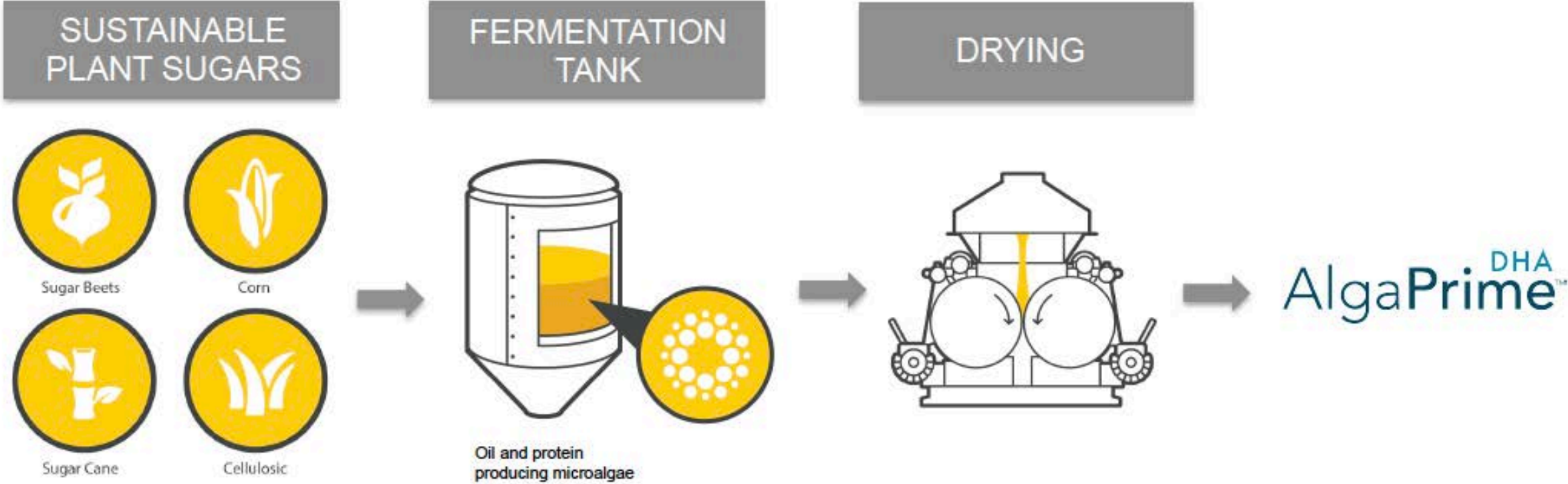
- Purpose built commercial plant > \$150 Million investment
- Five 625m³ fermenters; ability to produce oils/biomass products
- Non genetically modified sugarcane feedstock
- Best in class environmental footprint & cost structure
- Currently producing AlgaPrime^{DHA} at scale

POWERED BY RENEWABLE ENERGY



Located on the site of Bunge's Moema sugar mill; about 500km from Sao Paulo

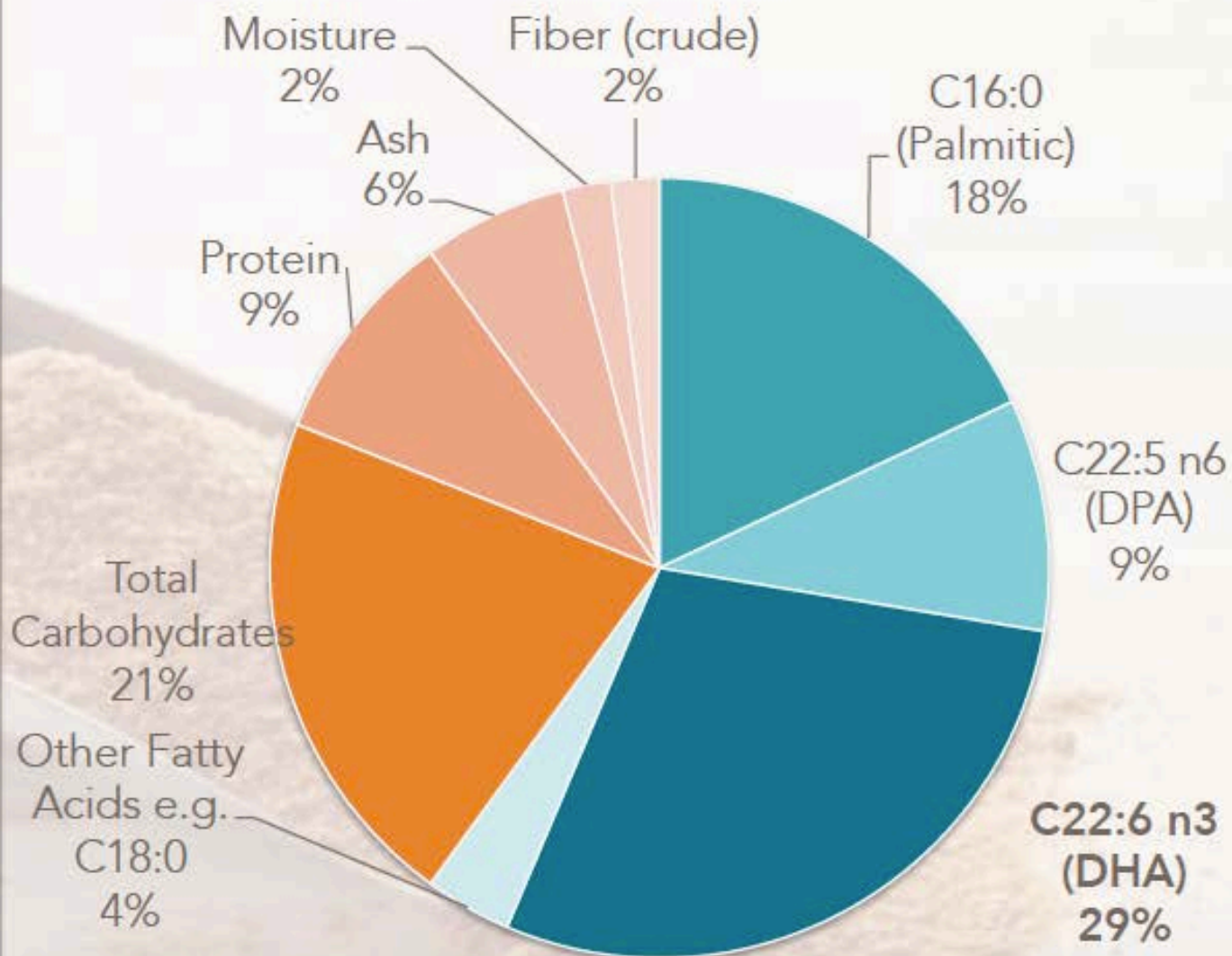
PRODUCTION PROCESS



AlgaPrime^{DHA™} AT A GLANCE

- **The original source of DHA:**
Whole algae ingredient from non GM algae, *Schizochytrium*
- **High levels of DHA (~30%):**
Provides flexibility to formulators
- **Quality:**
Clean source of algal oil rich in DHA
- **Stable powder form:**
Easily incorporated in feed
- **Available today:**
Fully formulated in salmon feeds

Typical Nutritional Profile:



A STRATEGIC PARTNERSHIP IN AQUACULTURE



BioMar is one of the top 3 players in the salmon industry

Feeds one of every four farm raised salmon globally

BioMar provides AlgaPrime^{DHA} global reach in salmon farming



BioMar provides salmon feeds containing AlgaPrime DHA at scale today

MARKET LEADERS



Lerøy Seafood Announces Use of AlgaPrime™ DHA in Feed to Enhance Sustainability and Omega-3 Profile of Salmon

Lerøy Seafood Group is the leading exporter of seafood from Norway and the world's second largest producer of Atlantic Salmon



AlgaPrime™ DHA is now being used by a leading Chilean salmon farmer, Ventisqueros S.A., to produce SilverSide™ Premium Pacific salmon at scale with unprecedented sustainability benefits

GLOBAL SALMON CONSUMER STUDY

Harris Poll received **11,000** responses from **4,700** consumers across 6 countries.

Consistently across consumers in all six countries, the following resonated the most:



#1



"Responsibly Farmed Salmon"

Brazil: 39% ↔ US: 24%

#2



"Meets Heart Healthy Claim"

Brazil: 32% ↔ Germany: 10%

#3



"Highest in Good Fat"

Brazil: 27% ↔ Germany: 9%

RESPONDING TO INDUSTRY NEEDS

New clean source
of algae omega-3
to enable
industry growth

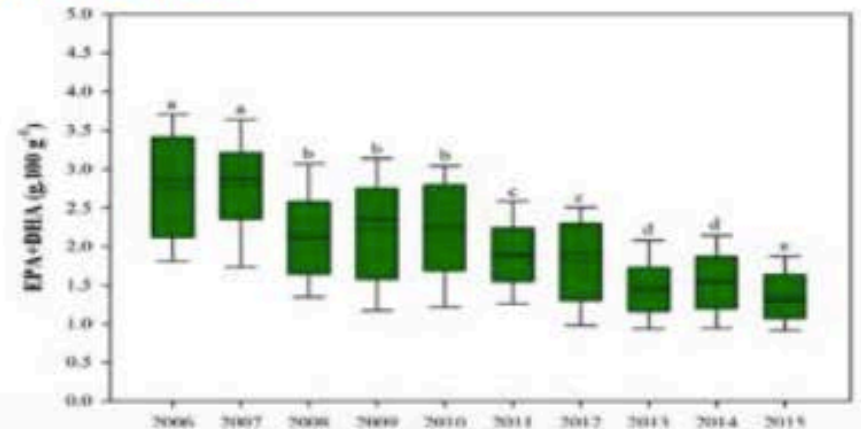


Improve feed sustainability metrics
(FIFO / FFDR_{fo})



Create new
food choices
targeting
specific health
benefits –
brain food

Responsibly increase total marine
omega-3 levels



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