UNLOCKING THE POWER OF MICROALGAE

An ancient resource 1.5 billion years in existence is the foundation of our technology platform.

Source of the very familiar - the oldest source of oil on earth.
Microalgae has historically been used as an ingredient to solve nutritional challenges. Today, our microalgae ingredients are poised to address even more challenges.
ADDRESSING CONFLICTING GOALS

Oregon bans targeting forage fish to protect ocean ecosystems

Ocean fish numbers on 'brink of collapse': WWF

Omega-3 oils in farmed salmon 'halve in five years'

Could Omega-3s from Algae Save the World's Oceans?
Software (algae) defines the output of the hardware (plant)
The same microalgae can make different products
PROTEIN COMPOSITION IS MICROALGAE DEPENDENT

- Menhaden Fish Meal
- Microalgae B
- Microalgae A
LIPID COMPOSITION IS MICROALGAE DEPENDENT

Fatty Acid Chain Length & Degree of Saturation

% Fatty Acid

Salt Water Microalgae
Fresh Water Microalgae

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A NEW SOURCE OF LC-OMEGA 3

- Our *Schizochytrium* sp. strain delivers the highest known levels of DHA
- Lower inclusion levels enhance feed performance by reducing filler ("baggage")
- Similar enough to established strains to minimize adoption cycles

Best in class composition is a clear differentiator of AlgaPrime™ DHA
Located adjacent to Bunge Moema sugar mill; about 330 miles from São Paulo
Some of the world’s largest aerobic fermenters are online

- Location: Orindiuva, Sao Paulo State
- > 100 employees on site
- Capacity
  - 100K MT nameplate capacity
  - Five 625m³ fermenters
  - Consumes > 2 million MT of sugarcane
- Downstream capabilities
  - Evaporating & drying
  - Oil extraction through crude clarified oil
  - Crude oil processing
- Co-located next to Bonsucro® certified Mill

Bonsucro’s vision:
A global sugarcane industry that is verified as sustainable and continuously improving.

Commissioned in 2014; operated throughout 2015
GOOD FOR THE PLANET

AlgaPrime

Low Green House Gas footprint
Lower GHG profile than nearly all major commercial plant oils

Low water consumption
Lower water consumption than most major commercial plant oils

Low land use impact
Greater oil yield per hectare than nearly all plant oils, and equivalent to palm with no significant land use change
Algae oil produced from sugarcane feedstock has a greater oil yield per hectare than most other oil producing crops.


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Microalgae-based DHA produced at unprecedented scale
- Unleashing the power of an ancient resource optimized to deliver maximum DHA content
- Produced at scale relevant to the needs of the aquaculture industry with native strain & non genetically modified feedstock

Predictable and consistent supply produced in a matter of days
- Manufactured at our state of the art, purpose built facility in Brazil in contained/controlled fermentation tanks

High quality, plant sugar-based source of DHA
- New alternative source of DHA to maintain salmon health and productivity while delivering significant nutritional benefits for humans

Low carbon, water and land use footprint
- Addressing market growth in a sustainable way while maintaining high quality
- Low environmental impact and efficient land-use

SB Oils is currently shipping product to our key partner
DELIVERING ON THE PROMISE OF A NEW OMEGA-3 SOURCE FOR AQUACULTURE

AlgaPrime™