



# INTRODUCING ALGAPRIME™ DHA: A TRACEABLE, SUSTAINABLE, HIGH-QUALITY ALTERNATIVE TO MARINE-BASED OMEGA-3s

About one million tons of omega-3 rich fish oil is produced each year for use in animal feed, aquaculture and human nutrition. The demand for omega-3s is growing. The availability of omega-3s from wild caught fish is, however, limited.

TerraVia and Bunge have teamed up to launch AlgaPrime™ DHA, a scalable and sustainable long chain omega-3 rich whole algae ingredient for the livestock market. Our joint venture, Solazyme Bunge Renewable Oils, is producing AlgaPrime™ DHA today.

Feed incorporating AlgaPrime™ DHA can contribute to improve the reproduction performance of animals, by reducing the omega-6 – omega-3 ratio of the diet. It can enrich meat and eggs with DHA, which may be beneficial for consumers who want or need to consume more omega-3 fatty acids.



## ALGAPRIME™ DHA AT A GLANCE

**From the original source of DHA:** Whole algae ingredient from the native algae, *Schizochytrium*

**High levels of DHA (28%+):** Provides flexibility to formulators

**Sustainability:** An alternative source of omega-3 to reduce dependency on marine fisheries and fish oil

**Safety:** Virtually no environmental contaminants or heavy metals

**Powder form:** Easily incorporated in feed

**Non-GMO:** Our feedstock, algae strain and process is non-GMO

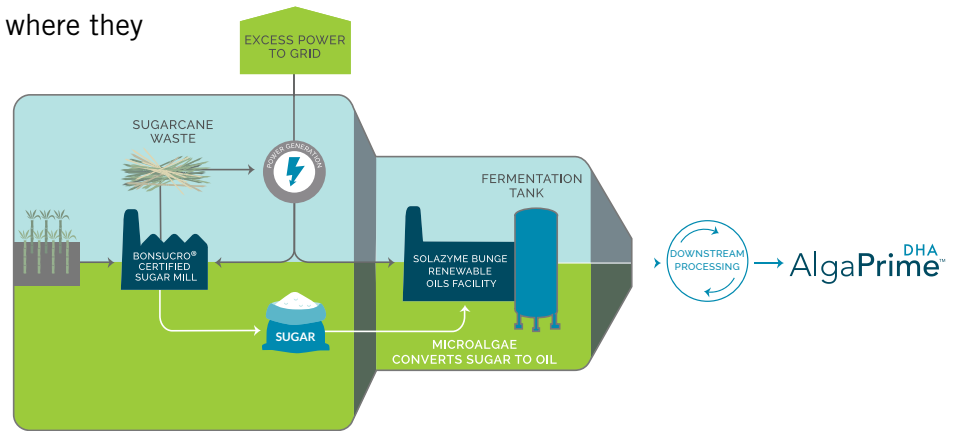


## DUAL BENEFITS FOR CONSUMERS & ANIMALS

**Product enrichment:** Can enrich meat and eggs with DHA for enhancing nutritional quality for the consumer

# CONSISTENT SUPPLY, CONSISTENT QUALITY

Our facility in the São Paulo state of Brazil grows the algae in closed fermentation tanks where they convert renewable, sustainable plant sugars into a DHA-rich ingredient in a matter of days. This process provides a traceable and consistent source of DHA and protects supply from the variability of geography and seasonality, improving supply chain resilience in the face of climate change and food insecurity.



# GOOD FOR LIVESTOCK AND GOOD FOR THE PLANET AT UNPRECEDENTED SCALE

AlgaPrime™ DHA is sustainably produced using plant sugars from a Bonsucro®-certified sugarcane mill. The sugarcane waste provides a renewable source of energy for the sugar mill and the Solazyme Bunge Renewable Oils facility, powering some of the world's largest aerobic fermenters.

## TYPICAL NUTRITIONAL PROFILE:

DHA CONTENT ON A DRY WEIGHT BASIS: 280mg/g

Proximate Profile		Minerals		Fatty Acid Profile	
	(%)	MAJOR	(%)		(% of Fat)
Moisture	2	Calcium	0.1	C16:0 (Palmitic)	30
Protein (crude)	9	Phosphorus	0.2	C18:0 (Stearic)	1
Ash	6	Sulphur	1.6	C22:5 n6 (DPA)	16
Total Carbohydrates	21	Magnesium	0.1	C22:6 n3 (DHA)	48
Fat	60	Sodium	1.5		
Fiber (crude)	2	Potassium	0.4		
		TRACE	(PPM)		
		Iron	93		
		Copper	11		
		Zinc	15		
		Manganese	19		

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