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New AlgaPrime™ DHA, an Algae-Based Alternative to Fish Oil, Addresses Declining Omega-3 Content in Farmed Salmon

AlgaPrime™ DHA Provides a Sustainable Source of Omega-3s For Fish Feed Without Further Depleting Marine Fish Stocks

SAN FRANCISCO--(BUSINESS WIRE)-- A recent study by Stirling University reveals that the amount of omega-3 fatty acid in farmed salmon in the UK has decreased by 50% in the past 10 years, thus requiring consumers to eat double the portion of salmon to obtain the same amount of omega-3s. This reduction is believed to be largely due to changes in the way salmon are fed, as well as declining worldwide stocks of small oily fish, which have been a primary contributor of omega-3 fat in fish feed.¹

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To maintain levels of omega-3s in farmed salmon and the human diet, sustainable and responsibly sourced alternatives to fish oil ingredients are urgently needed to meet soaring consumer demand for salmon without further depleting marine fish stocks. AlgaPrime™ DHA, an omega-3-rich whole algae ingredient developed by TerraVia Holdings, Inc. (NASDAQ: TVIA) in partnership with Bunge Limited (NYSE: BG), provides a sustainable, scalable and economically viable source of omega-3s. As an alternative to ingredients like fish oil and fishmeal that come from small oily fish, AlgaPrime™ DHA can ease the industry's reliance on wild fish capture and help preserve the marine environment.

Aquaculture is one of the fastest growing segments of the global food industry, supplying nearly 50% of fish and seafood for human consumption according to the Stirling study. "Global demand for seafood is continually increasing and the only way we can meet this demand without putting further pressure on wild fish stocks is through responsible aquaculture," said Piers Hart, Global Lead for Aquaculture at the World Wildlife Foundation. "There's only a limited amount of fish in our seas to feed us, let alone to make into feed. Now there is a sustainable alternative to fish oil available on an industrial scale, something we could only dream about ten years ago."

"Farmed salmon remains one of the richest sources of omega-3s, which are beneficial for human health and supporting healthy brain development," said Douglas Tocher, a professor at Stirling University's Institute of Aquaculture and co-author of the study. "And in fact, farmed salmon delivers more omega-3s than wild caught salmon."

"Using AlgaPrime™ DHA fed salmon could help arrest and reverse the decline in omega-3s in farmed salmon," added Dr. Walter Rakitsky, Senior Vice President, Emerging Business, TerraVia. "AlgaPrime™ DHA contains approximately three times the level of DHA compared to fish oil. One ton of AlgaPrime™ DHA is the equivalent of saving up to 40 tons of wild caught fish from our oceans on a DHA basis. In addition, AlgaPrime™ DHA can help address consumer and retailer demand for responsibly sourced fish."

AlgaPrime™ DHA is currently being made at TerraVia and Bunge's SB Renewable Oils joint venture facility in Brazil. The facility embodies the principles of sustainable production to produce algae-based products with low carbon, water and land use impacts. Based on sugarcane feedstock, AlgaPrime™ DHA has a lower carbon and water footprint and higher yield per hectare than DHA produced from most other non-marine sources.

About TerraVia

TerraVia is a plant-based food, nutrition and specialty ingredients company that harnesses the power of algae, the mother of all plants and earth's original superfood. With a portfolio of breakthrough ingredients and manufacturing, the Company is well positioned to help meet the growing need of consumer packaged goods and established and emerging food manufacturers to improve the nutritional profile of foods without sacrificing taste, and to develop select consumer brands. The Company also manufactures a range of specialty personal care ingredients for key strategic partners. Headquartered in South San Francisco, the Company's mission is to create products that are truly better for people and better for the planet. For additional information, please visit TerraVia's website at www.terravia.com.

About Bunge Limited

Bunge Limited (www.bunge.com, NYSE: BG) is a leading global agribusiness and food company operating in over 40 countries with approximately 35,000 employees. Bunge buys, sells, stores and transports oilseeds and grains to serve customers worldwide; processes oilseeds to make protein meal for animal feed and edible oil products for commercial customers and consumers; produces sugar and ethanol from sugarcane; mills wheat, corn and rice to make ingredients used by food companies; and sells fertilizer in South America. Founded in 1818, the company is headquartered in White Plains, New York.

Forward Looking Statements

This press release contains certain forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995, including statements that involve risks and uncertainties including statements about TerraVia that involve risks and uncertainties concerning: the timing, cost and scalability of production and sales of AlgaPrime™ DHA and its economic viability and environmental impact; the ability of AlgaPrime DHA to address demand for use in fish feed; the ability of AlgaPrime™ DHA production to help preserve the marine environment and the nutritional value of seafood; continued expansion of the aquaculture industry and demand for omega-3s and responsibly sourced fish by consumers and retailers; the attributes of AlgaPrime™ DHA, including as to omega-3 content, its ability to affect the decline in omega-3s in farmed salmon and save wild fish; the environmental impact of the production facility; market acceptance of products; and the ability to maintain relationships with partners. When used in this press release, the words "will", "expects", "intends" and other similar expressions and any other statements that are not historical facts are intended to identify those assertions as forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995. Any such statement may be influenced by a variety of factors, many of which are beyond the control of the companies, that could cause actual outcomes and results to be materially different from those projected, described, expressed or implied in this press release due to a number of risks and uncertainties. Potential risks and uncertainties include, among others: TerraVia's limited operating history; its limited history commercializing products; implementation risk in deploying new technologies; its limited experience in constructing, ramping up and operating commercial manufacturing facilities; delays related to start-up and ramp-up of production facilities and new products; commercial risk in deploying new products; its ability to successfully develop and commercialize new products; its ability to sell products; successful product trials by customers and market acceptance and adoption of products by end-users; the ability to obtain requisite regulatory approvals for products; its access, on favorable terms, to any required financing; and availability of consistent, reliable power and steam. Accordingly, no assurances can be given that any of the events anticipated by the forward-looking statements will transpire or occur, or if any of them do so, what impact they will have on the results of operations or financial condition.

In addition, please refer to the documents that TerraVia Holdings, Inc. files with the Securities and Exchange Commission, including its Quarterly Reports on Forms 10-Q and its Annual Report on Form 10-K, as updated from time to time, for a discussion of these and other risks. You are cautioned not to place undue reliance on forward-looking statements, which speak only as of the date of this press release. TerraVia is not under any duty to update any of the information in this press release.

¹ Sprague, M. et al. Impact of sustainable feeds on omega-3 long chain fatty acid levels in farmed Atlantic salmon, 2006-2015. *Sci. Rep.* **6**, 21892; doi: 10.1038/srep21892 (2016).

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TerraVia Holdings, Inc.
Corporate Communications:
Genet Garamendi
press@terravia.com
or
RF|Binder
Atalanta Rafferty
Atalanta.rafferty@rfbinder.com

Source: TerraVia Holdings, Inc.

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