

Arcadia Biosciences and DuPont Pioneer Achieve Milestone in the Development of High-Value Specialty Oil

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-- Arachidonic Acid Oil Produced in Safflower Provides Cost-Effective Source for Critical Nutritional Oil Ingredient --

DAVIS, Calif., & DES MOINES, Iowa--(BUSINESS WIRE)--Jun. 1, 2016-- Arcadia Biosciences, Inc. (Nasdaq: RKDA) and DuPont Pioneer (NYSE: DD) today announced the successful field-trial validation of safflower plants that produce high levels of arachidonic acid (ARA) oil, a high-value, specialty nutritional oil for global consumer markets. The achievement of this key milestone represents a significant step in the collaboration between Arcadia and DuPont Pioneer to develop a new plant-based and cost-effective source of oil with high levels of ARA.

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ARA is an omega-6 fatty acid that, along with certain omega-3 fatty acids, plays a critical role in neural and visual development of infants. It is one of the most abundant fatty acids in the brain, and neurological health is reliant upon sufficient levels of ARA.

ARA is used as a functional ingredient in many infant nutrition products, and has been shown to provide developmental benefits similar to breastfeeding. Its use in nutritional products has been reviewed and supported by the U.S. Food and Drug Administration, the Food and Agriculture Organization of the United Nations and the World Health Organization. High ARA safflower plants will offer an alternative and more efficient source for the ingredient that will improve manufacturing economics and encourage wider use of ARA.

“The newly developed safflower oil could ultimately provide a renewable and sustainable source of this nutritionally important fatty acid. Since sunlight provides all the energy needed to make ARA in safflower seed oil, this production technique also is very cost-effective when compared with current commercial methods,” said Tony Kinney, research director, DuPont Pioneer.

“The achievement of this milestone further demonstrates Arcadia’s expertise in developing high-value nutritional oils leveraging our omega-6 platform,” said Raj Ketkar, CEO of Arcadia. “The development of ARA safflower oil will expand Arcadia’s nutritional oil offerings and will build on our experience in the development, regulatory management, production and marketing of these high-value products.”

Arcadia’s ARA safflower oil is in the late stages of product development. Regulatory approval would be sought prior to commercialization.

About Arcadia Biosciences, Inc.

Based in Davis, Calif., with additional facilities in Seattle, Wash. and Phoenix, Ariz., Arcadia Biosciences (Nasdaq: RKDA) develops agricultural products that create added value for farmers while benefitting the environment and enhancing human health. Arcadia’s agronomic performance traits, including Nitrogen Use Efficiency, Water Use Efficiency, Salinity Tolerance, Heat Tolerance and Herbicide Tolerance, are all aimed at making agricultural production more economically efficient and environmentally sound. Arcadia’s nutrition traits and products are aimed at creating healthier ingredients and whole foods with lower production costs. The company was recently listed in the Global Cleantech 100 and was previously named one of MIT Technology Review’s 50 Smartest Companies. For more information, visit www.arcadiabio.com.

About DuPont Pioneer

DuPont Pioneer is the world's leading developer and supplier of advanced plant genetics, providing high-quality seeds to farmers in more than 90 countries. Pioneer provides agronomic support and services to help increase farmer productivity and profitability and strives to develop sustainable agricultural systems for people everywhere. Science with Service Delivering Success®.

About DuPont

DuPont (NYSE: DD) has been bringing world-class science and engineering to the global marketplace in the form of innovative products, materials, and services since 1802. The company believes that by collaborating with customers, governments, NGOs, and thought leaders, we can help find solutions to such global challenges as bringing enough healthy food for people everywhere, decreasing dependence on fossil fuels, and protecting life and the environment. For additional information about DuPont and its commitment to inclusive innovation, please visit www.dupont.com.

Note Regarding Forward-Looking Statements

This press release contains forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995, including statements relating to Arcadia's ARA safflower oil. Forward-looking statements are subject to risks and uncertainties that could cause actual results to differ materially, and reported results should not be considered as an indication of future performance. These risks and uncertainties include, but are not limited to: Arcadia's and its partners' ability to develop and market commercial products incorporating ARA safflower oil; the company's compliance with laws and regulations that impact the company's business, and changes to such laws and regulations; the company's future capital requirements and ability to satisfy its capital needs; and the other risks set forth in the company's filings with the Securities and Exchange Commission from time to time, including the risks set forth in the company's Quarterly Report on Form 10-Q for the quarter ended March 31, 2015 and other filings. These forward-looking statements speak only as of the date hereof, and Arcadia Biosciences, Inc. disclaims any obligation to update these forward-looking statements.

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