



Applied DNA Sciences Receives Final Payment from Supima Launches Authentication Services

STONY BROOK, N.Y., June 19, 2008 /Business Wire/ -- Applied DNA Sciences, Inc. (OTC Bulletin Board: APDN), a provider of DNA-based security solutions, today announced that it has successfully completed the feasibility study and received the final payment from Supima, the promotional organization of the American Pima cotton growers. The name "Supima[®]" is a licensed trademark owned by Supima and its members, used to promote textile and apparel products made of 100% American Pima cotton. The name "Supima" is an abbreviation for Superior Pima. Supima cotton is renowned for its superior fiber length, strength and natural luster. Because of the fineness of Supima cotton, more fibers can be spun into a yarn of a given count, which will enhance the feel and softness, drapeability and brilliance of color of a fabric. Supima products can be found at finer department and specialty stores nationwide.

Dr. Benjamin Liang, Chief Technology Officer of APDN stated, "We have been successful in developing a genetic assay to distinguish between Pima (including Supima) and Upland cotton in fiber and fabric. The proprietary, patent-pending methodologies are very specific and robust and similar to what has been used to track human lineage of archaeological remains. This test, being marketed as FiberTyping[™], can now be used to authenticate products for Supima, distinguishing Pima cotton from Upland cotton."

"We believe that the genetic assays developed by APDN to detect Pima cotton DNA in fiber as well as fabric are remarkable discoveries which will help us provide a higher level of quality assurance and authentication to all participants in the value chain, from the cotton grower to the end consumer. We are committed to preserving the reputation of Supima cotton as the finest cotton in the world," commented Jesse Curlee, President of Supima. "We believe that APDN's developments will alter the face of the global cotton industry and favorably affect the demand curve."

Cotton classification and the authentication of cotton geographic origin are issues of global significance. As the world's largest consumer market, the United States is an attractive destination for products containing cotton. At the same time, domestic cotton and textiles are often exported to be processed by foreign apparel-makers. When these garments are imported back into the United States for sale, some of those made from US cotton, are allowed to re-enter with favorable tariff treatment. FiberTyping[™], for the first time offers a means to determine the origin of the fibers and textiles in these finished goods which previously were impossible to trace.

"Supima is to be commended for its commitment to ensuring quality and authenticity through innovation," commented James A. Hayward, President & CEO of APDN. Along with FiberTyping[™], APDN has also developed a genetic assay known as PimaTyping[™], to

differentiate between ELS cotton from different regions of the world. We believe that these assays will have important implications for U.S. cotton, both Pima and Upland, and for regulating international trade." Dr. Hayward continued.

Pima cotton is a generic name for extra-long staple (ELS) cotton grown in the U.S., Australia, Peru and in very limited production in a few other locations around the world. Pima is from the *Gossypium barbadense* species, compared to *Gossypium hirsutum* to which Upland cotton belongs. The primary differences between Pima (ELS growths) cotton and Upland cotton are staple length and strength of the fiber. In the US, cotton is considered to be ELS or Pima if it is an inch and 3/8 or longer. Its strength and uniformity measurements are considerably higher than those of Upland cotton, which improves the durability and increases the lifespan of the textile and apparel products.

About Applied DNA Sciences, Inc.

Applied DNA Sciences markets and sells DNA encrypted and embedded solutions that are forensically authenticated by machine-readable devices. These solutions can be easily integrated with a range of inks, threads, varnishes, adhesives as well as thermal ribbon, inkjet and laser ink. Applied DNA Sciences' products can help protect the brands and intellectual property that can easily be eroded by counterfeiting, product diversion and fraud. APDN's common stock is listed on the Over-The-Counter Bulletin Board under the symbol "APDN".

The statements made by APDN may be forward-looking in nature and are made pursuant to the safe harbor provisions of the Private Securities Litigation Reform Act of 1995. Forward-looking statements describe APDN's future plans, projections, strategies and expectations, and are based on assumptions and involve a number of risks and uncertainties, many of which are beyond the control of APDN. Actual results could differ materially from those projected due to our short operating history, limited financial resources, limited market acceptance, market competition and various other factors detailed from time to time in APDN's SEC reports and filings, including our Annual Report on Form 10-KSB, filed on January 15, 2008 and our subsequent quarterly reports on Form 10-QSB. APDN undertakes no obligation to update publicly any forward-looking statements to reflect new information, events or circumstances after the date hereof to reflect the occurrence of unanticipated events.

SOURCE Applied DNA Sciences, Inc.

/INVESTOR CONTACT: Debbie Bailey, 631-444-8090, fax: 631-444-8848/

/MEDIA CONTACT: Deanne Eagle, Cameron Associates, 212-554-5463/

/FCMN Contact: info@adnas.com /

/Web site: <http://www.ADNAS.com> /