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Contact:

Phone: (919) 993-3389

Email: marketing@briworldwide.com

Website: www.briworldwide.com

EnzaPro: Transforming the Thai Livestock Market with Innovative Gut Health Solutions and Feed Additives

Research Triangle Park, NC - October 20, 2023 - Bioresource International, Inc. (BRI), a leading American company specializing in research, development, and distribution of feed additives designed for poultry and swine, is set to revolutionize the Thai livestock market. Recognizing the burgeoning Thai livestock sector, BRI is dedicated to advancing knowledge about feed additives and gut wellness within the region. Through collaborative efforts with Thai industry leaders, BRI aims to leverage scientific research, expert guidance, and optimized methodologies to enhance animal growth, wellness, and performance.

Aligned with the promising prospects for feed additives and gut wellness solutions in Thailand this year, BRI has introduced two products under various brands in the Thai market. EnzaPro, BRI's flagship product, employs a "Zymbiotic" effect to create a healthy gut environment, supporting and enhancing the survival and activity of beneficial gut microflora.

"EnzaPro is meticulously crafted to optimize the efficiency of the animal's intestinal system, reduce the proliferation of pathogenic bacteria, and enhance digestive capabilities in poultry and swine. Comprising natural ingredients, EnzaPro significantly improves gastrointestinal health and boosts immunity in animals, leading to enhanced growth and overall performance without the need for antibiotics," affirmed Nasser Odetallah, Vice President of BRI Animal Health and Nutrition.

In 2022, the Thai livestock feed market witnessed an 11% increase, totaling 11,641 million baht, around \$325 million in 2021 due to the impact of the COVID-19 outbreak, resulting in a market worth 258,661 million baht, or \$7.1 Billion. As the effects of COVID-19 ease, global economies are gradually recovering, presenting significant opportunities for Thailand's exports of animal protein, fueling further growth in the poultry and swine sectors.

"It is anticipated that the livestock market in 2023 will contribute to exports of approximately 300,000 million baht, fostering continued growth and increased value in the poultry and swine sectors. This presents a promising opportunity for Thai livestock industry leaders to expand not only in the domestic market but also on the international stage. Thailand currently holds the position of the fourth largest exporter of poultry products globally, with ample room for further growth," stated Flemming Mahs, President of the BRI Animal Health & Nutrition division.

Highlighting advancements in poultry rearing, Flemming Mahs noted that the continuous improvements by the poultry genetics companies along with the advancement of nutritional discoveries and the utilization of growth accelerators has significantly reduced traditional timeline of raising chickens in the last 3 decades down from approximately two months to around 38 days. These growth promoters, functioning as antibiotics, have historically facilitated this acceleration. Presently, due to potential

carcinogenic effects, and the risk of the rise of antibiotic-resistant bacterial strains, Europe has prohibited the use of such substances, driving the acceptance of natural growth methods in the livestock industry.

Diseases such as Coccidia, Necrotic enteritis, and Salmonella and E. coli infections disrupt the poultry industry, leading to annual losses in the \$billions. Rearing 20,000 chickens per coop elevates the risk of infections, with potential consequences, such as contaminated poultry carcasses during processing, posing substantial threats to meat processing and temporary disruptions in poultry exports. Meeting the rigorous standards of the current market, which demands pathogen-free chicken meat, is of utmost importance. Bioresource International, Inc. (BRI) actively shares knowledge and collaborates with experts and researchers to validate EnzaPro's effectiveness in protecting Thai poultry production from a range of Enteric Disorders, with Salmonella as an example.

Thailand's dynamic livestock market, with its proficiency in poultry and swine management and substantial production capacity, presents a compelling opportunity. The international demand for various livestock products, including processed and frozen foods, animal carcasses, and cut meat, is indicative of a lucrative market. BRI aspires to assist Thai industry partners in leveraging the potential within this thriving market.

For further inquiries and collaboration opportunities, please contact BRI at marketing@briworldwide.com or (919) 993-3389.





Flemming Mahs, President of BRI Animal Health and Nutrition introduced BioResource International, Inc. (BRI) in the Bangkok, Thailand.



Pictured is Dr. Ricardo Hummes Rauber DVM, PhD, President Fleming Mahs and Vice President Nasser Odetallah PhD.



The BRI team introduces strategies to expand Thai market share and gut health in the Poultry industry. Pictured is Dr. Ricardo Hummes Rauber DVM, PhD, Flemming Mahs President BRI Animal Health & Nutrition, Dr. Yuwares Ruangpanit, PhD, Dr. Ket Pattranukulkit DVM, MBA, Dr. Sarah Pahm, PhD and Vice President Nasser Odetallah PhD.

BRI (BIORESOURCE INTERNATIONAL, INC.) – BRI is a leading developer and supplier of feed additives that help poultry, swine and aqua producers optimize performance and gut health while maximizing profits in a sustainable manner. Based in the Research Triangle Park, North Carolina, a major U.S. biotechnology hub, BRI applies the latest scientific techniques and rigorous data analysis to fuel the discovery, design, and production of specialty feed additives with functional characteristics that generate high value for animal producers.

Co-founded in 1999 by father and son Jason Shih, Ph.D. and Giles Shih, Ph.D., BRI has built an experienced R&D team with a proven track record across the product development spectrum, from discovery to full scale production and commercialization. BRI has created a unique portfolio of proprietary products, technologies and know-how focused on feed additives that improve gut health.

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