

Micronutrition & Health Solutions Article

Promoting Animal Health and Productivity: Inside Cargill's Micronutrition and Health Solutions (MHS) Portfolio

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The launch of Cargill's Micronutrition and Health Solutions (MHS) portfolio signifies a transformative step in addressing the challenges of today's livestock industry. The MHS portfolio offers advanced, science-driven solutions that support animal health, productivity, and sustainability, addressing critical areas like feed quality, ingredient variability, and consumer demands for antibiotic-free products.

Today's livestock producers face an array of conflicting demands, from volatile feed costs to a growing focus on sustainable and antibiotic-free production methods. Cargill's MHS portfolio was specifically developed to help meet these challenges, providing a suite of holistic, precision nutrition tools that support animal health and performance while promoting environmental sustainability.

Science-Based Solutions for Animal Health & Productivity

Central to the MHS portfolio is an integrated approach that brings together technologies such as postbiotics, phytogenics, anti-mycotoxin agents, and enzymes. These innovations are designed to optimize nutrition efficiency (perform), support animal health (protect), and optimize resource utilization (preserve). By targeting specific health and productivity needs, these solutions enhance the overall nutrition ecosystem, ensuring animals are resilient and healthy.

For instance, Enzae™ enzymes and Notox™ anti-mycotoxin agents tackle critical challenges in feed quality, safety, and optimal nutrient utilization, and both are essential for supporting

producer profitability and optimizing resource utilization. MHS solutions reflect Cargill's commitment to a science-backed, customer-focused approach, tailored to solve the realworld issues producers encounter.

Another example involves combining specific, targeted postbiotics and phytogetic compounds with advanced microbiome analysis tools like Galleon™ for poultry to better understand how microelements interact within the microbiome of an animal's diet. This enables early optimization of gut microflora, supporting health and productivity.

Tailored Solutions for Diverse Species

The MHS portfolio is uniquely structured to meet the diverse needs of different species, transitioning from a technology-first to a species-centered approach that simplifies product selection for producers. The portfolio includes comprehensive solutions across ruminants, poultry, swine, aquaculture, equine, and pets. Each species is served with targeted brands that align with the animals' unique health and productivity requirements:

- **Ruminants: Diamond V™** - Advanced solutions that support ruminant health, sustainable production, and help producers optimize performance.
- **Poultry: Biostrong™** - Proven solutions for poultry performance through enhanced digestion and immune support.
- **Swine: Cinergy™** - Holistic solutions in swine at every life stage – designed to support health, performance, and sustainable production.
- **Aqua: Syrena™** - Innovative solutions in aqua that support health, performance, profitability, and sustainable production.
- **Enzymes: Enzae™** - A versatile portfolio of enzyme solutions designed to meet the nutritional needs of animals - across various diets.
- **Anti-Mycotoxin Agents: Notox™** - A complete suite of mycotoxin management solutions – from swift detection to precise application.

Aligning with Customer Expectations

With growing interest in gut health, immune support, and nature inspired solutions, the MHS portfolio integrates functional ingredients like phytoGENICS and postbiotics. These ingredients support animal performance and resilience, meeting the rising consumer demand for natural, antibiotic-free production. This focus on wellness extends beyond livestock to include cats, dogs, and horses with products like TruPet™ and TrueEquine™, which offer specialized solutions for gut health, immune function, and overall vitality.

To ensure customers gain maximum benefit from the MHS portfolio, Cargill encourages a comprehensive evaluation of their animals' lifecycle needs. Understanding how postbiotics, precision nutrition, and other solutions can address specific health and productivity requirements is key to optimizing outcomes. The portfolio's structure simplifies this process,

aligning solutions with species-specific needs to support animal performance (perform), resilience (protect), and welfare and use of resources (preserve).

The MHS approach is unique in the way that it provides high science backed solutions, with advanced holistic approaches and diagnostic tools, to ensure our teams will recommend to our customers the right product, at the right time, with the right dose that fits their environment and their challenges.

The MHS portfolio is available worldwide, although product availability may vary based on region. Cargill's teams are prepared to provide guidance on solutions, ensuring producers can make informed, beneficial choices for their operations.

Learn More About MHS

For producers looking to explore the MHS portfolio further, Cargill introduced these solutions at EuroTier 2024, offering in-depth insights into their capabilities. More information is available on our [MHS website](#), and regional experts are ready to provide personalized consultations to help customers leverage the portfolio's science-backed solutions to meet their animal health, productivity, and sustainability goals.

[Find out more about Micronutrition & Health Solutions](#)