

Micronutrition & Health Solutions Article

Unlocking the Growth Potential of Broilers with Biostrong™ Dual

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The poultry industry is challenged on many levels to meet modern production expectations. To mitigate these challenges, healthy and productive chickens are crucial for farmers to remain competitive in a dynamic market. Feed additives and ingredients have proven effective in supporting poultry farmers to navigate industry challenges by supporting animal health and performance. Building on this, Cargill's Micronutrition and Health Solutions' (MHS) innovative complementary feed solution, Biostrong™ Dual*, has been designed to help broiler producers optimize productivity and profitability. Let's take a closer look at how this first-of-its-kind product can support poultry worldwide.

A new way of thinking about feed additives

The poultry industry uses various feed solutions, including phytochemicals, toxin binders, antioxidants, and probiotics (prebiotics, probiotics, and postbiotics). Each has a specific mode of action and can be part of a holistic strategy for efficient and sustainable production. However, using just one type of solution might not always provide consistent benefits. Understanding the mechanisms of various parts of feed products and combining those with synergistic benefits can offer better value and consistency across different production systems.

Guided by this knowledge, Cargill's Biostrong™ Dual combines the benefits of postbiotics and phytochemicals into one proven and powerful feed solution. This combination supports performance by optimizing the intestinal microflora of chickens in various production contexts - globally.

Biostrong™ Dual

Biostrong™ Dual integrates two powerful platforms— postbiotics and phytochemicals —into a single product designed to support performing flocks.

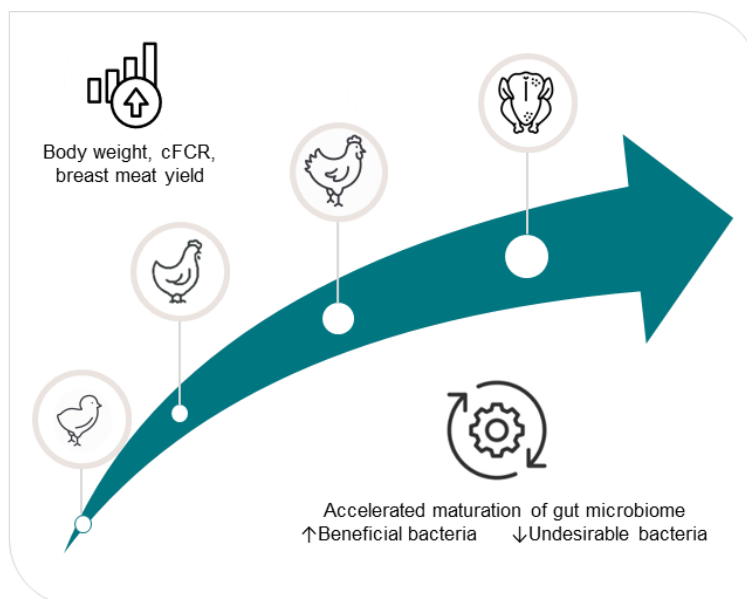
- **Postbiotics:** *Saccharomyces cerevisiae* fermentation-derived postbiotic (SCFP) product that can support modulating immune response and promotes the growth of beneficial gut microbes,
- **Essential oil compounds:** Encourages feed intake.

The combination of postbiotics and essential oils in Biostrong™ Dual creates synergistic effects throughout the gastrointestinal tract that helps with consistency and stability in animal performance.

Biostrong™ Dual can provide the cutting-edge for poultry businesses

Biostrong™ Dual offers a range of benefits that support health and performance

- **Digestion and gut support:** Postbiotics support beneficial gut bacteria, while essential oils can encourage feed intake.
- **Enhanced consistency, growth, and efficiency:** Trial birds fed Biostrong™ Dual showed an increase in body weight, a better feed conversion ratio, and higher market weight.
- **Effective at all life stages:** Effective across different growth stages and production conditions, including controlled research, semi-commercial, and commercial environments.



These benefits collectively contribute to better overall broiler performance and higher market weight.

How is Biostrong™ Dual supporting poultry performance?

The gut microbiome plays a key role in supporting animal performance. In well-performing birds, the gut microbiome has a higher abundance of lactic acid producers (good bacteria) in early life, which are later replaced by butyrate producers. This pattern makes the gut microbiome more resilient to challenges. Biostrong™ Dual speeds up this process of microbiome maturation, supporting good bacteria and managing undesirable ones, contributing to better performance.

Biostrong™ Dual is proven, and backed by strong science

Biostrong™ Dual's performance benefits are supported by extensive scientific research. Over 15 independent trials conducted under various conditions have demonstrated its effectiveness.

Amongst others, birds fed with Biostrong™ Dual showed notable enhancements in body weight, feed conversion ratio, and breast meat yield as well as consistent performance across different life stages, resulting in higher market weights.

Specifically, birds fed Biostrong™ Dual at 0.4kg/MT experienced a:

- **3.5% increase in body weight (approximately 80g at 42 days of age)**
- **4-point reduction in feed conversion ratio**
- **0,5% increase in breast meat yield**

These improvements were consistent across various growth stages, indicating that Biostrong™ Dual supports broiler performance throughout their lifecycle.

This consistency in performance benefits highlights the effectiveness of Biostrong™ Dual in promoting broiler growth and productivity.

Consistent results, driven by innovation

Biostrong™ Dual represents a significant advancement in poultry nutrition to support broiler performance. By understanding and leveraging the synergistic effects of different ingredients in feed solutions, Cargill is staying innovative and forward-thinking to ensure that the poultry industry plays its role in creating a more food secure world.

To find out more about Biostrong™ Dual and the full Micronutrition and Health Solutions portfolio and how it can benefit your poultry operation, speak to our experts at IPPE 2025, or [visit us online](#). Unlock your growth potential today.

Some products are only approved for use in certain geographies, end uses, and/or at certain usage levels. It is the customer's responsibility to determine, for a particular geography, that (i) the product, its use and usage levels; (ii) the customer's product and its use; and (iii) any claims made about the customer's product, all comply with applicable laws and regulations. *Any references to "natural/naturally" are as defined by [AAFCO](#). Any references to "feed additive(s)" are as per the laws and regulations in the United States. For product registration information, please refer to the product data sheets. For more information on specific products in your location, please reach out to our local Cargill animal nutrition representatives.

Find out more about Micronutrition & Health Solutions