

Biostrong™ H-Protect. Game day ready.

Raising turkeys is often more than a sun-up-to sun-down job. It's tough under normal conditions.

Subpar live production performance makes it more difficult. Every year turkey producers lose more than \$2 million¹ to Histomoniasis (Blackhead Disease) alone due to high mortality rates and decreased flock performance. With limited tools available to address turkey health challenges, turkey producers like yourself need solutions, not another problem.



Nutrition drives better health

Biostrong™ H-Protect combines yeast-based postbiotic and phytogetic components, offering a combo solution that supports turkey health and immunity.

- This solution has been shown to support turkey livability in the presence of a Blackhead challenge.
- The yeast-based postbiotic components support a producer's food safety program.
- Trials have shown that when Biostrong H-Protect is fed to healthy or challenged turkeys, both experience a better Feed Conversion Rate (FCR) and increased body weight.

Easy to use

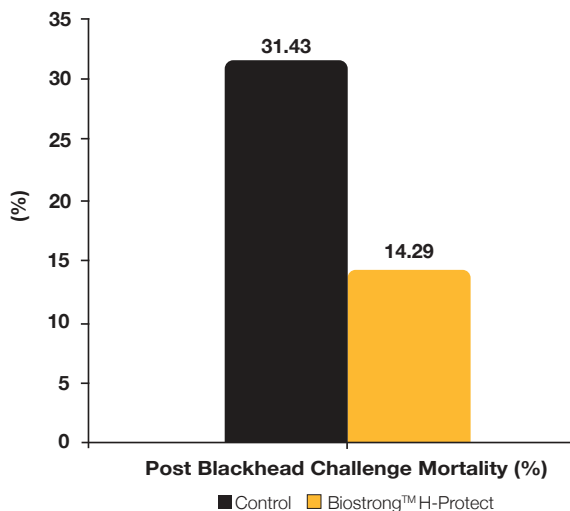
Biostrong™ H-Protect offers a new foundational best practice, boosting the health and performance of your turkeys and your business.

- This solution withstands harsh feed manufacturing conditions.
- Biostrong H-Protect offers a formulation advantage replacing multiple additives, reducing the need for micro bin space in the feed mill.



Biostrong™ H-Protect Supports Livability

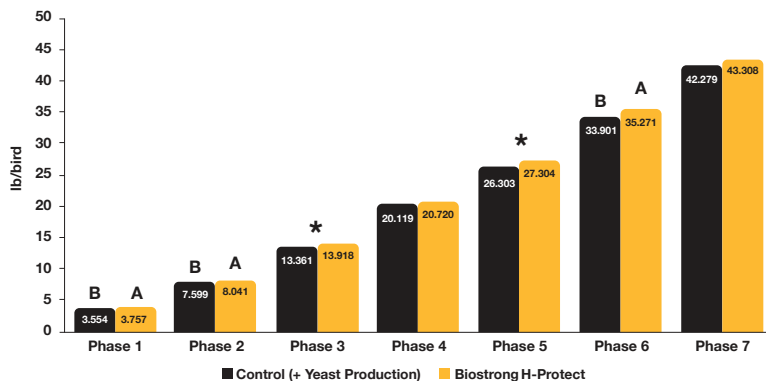
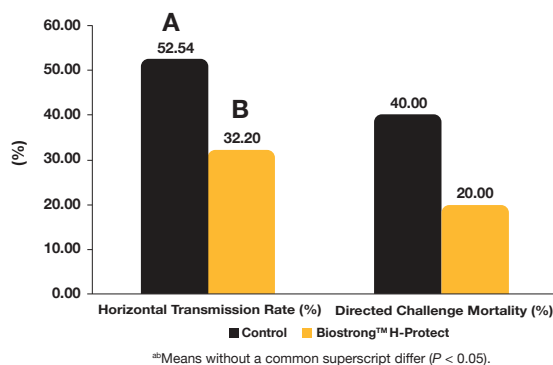
Biostrong™ H-Protect fed poult challenged with Blackhead disease experienced a 14.29% mortality rate post-challenge, marking an improvement of approximately 54.53% over the post-challenge Control group mortality rate of 31.43%.



Biostrong™ H-Protect Helps Limiting Blackhead Horizontal Transmission and Mortality

In a seeder model challenge, Blackhead horizontal transmission rate was decreased by 38% when poult were fed Biostrong™ H-Protect compared to control poult (32% versus 52.54% transmission).

Mortality rate in the direct challenge poult (seeders) was 20%, representing a 50% reduction compared to the 40% mortality rate observed in the Control group.



^aMeans without a common superscript within a phase differ ($P < 0.05$) | *Denotes means were trending towards significance ($P < 0.10$)

Biostrong™ H-Protect Helps Increase Final Body Weight

Poult in the Biostrong™ H-Protect group were over 1 pound heavier than the Yeast-product Control group at the end of the trial. On average across all ages, Biostrong H-Protect toms were 4% heavier compared to the Yeast-product Control group.

When in a presence of a Blackhead challenge, Biostrong H-Protect fed poult showed a reduction in FCR compared to poult fed a control diet, resulting in a 16-point advantage.

Micronutrition and health expertise

Cargill Animal Nutrition leads the industry in micronutrition research and testing, delivering feed products that address your common and persistent production challenges.

Our postbiotic fermentation process serves as the industry gold standard, producing postbiotics that deliver reliable performance.

