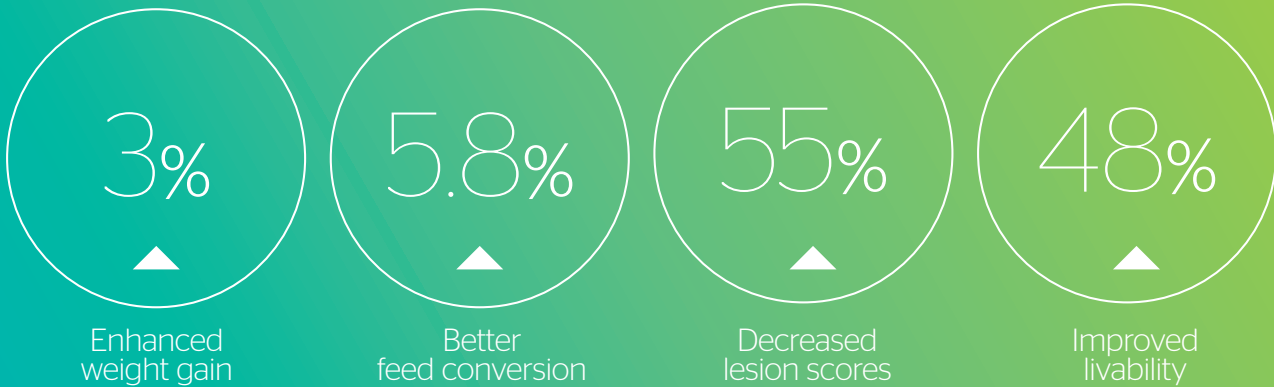




Trial results prove it's a simple choice.

USA Heat Stress
Trial Summary Results



Multiple trials - in the U.S. and worldwide - show Lumensa technology time and again improves weight gain and feed conversion ratios of broiler chickens. It also reduces mortality and decreases intestinal lesion scores. Our comprehensive solution uses a broad strategy to modify the gut microbiome, reduce the impact of stresses and increase production.

At Cytozyme, we've applied our 40+ years of innovation in fermentation metabolites to create a complete, easy to use solution. Our animal nutrition products include a multi-stage fermentation process to create a diverse set of metabolites. It's a simple choice and the single most impactful decision for farmers who care.

Produced following good manufacturing practices and National Animal Supplement Council guidelines

Does not contain Genetically Modified Organisms materials

Uses only materials which are on the FDA Generally Recognized as Safe List

Utilizes highest quality feed, food and FCC/USP grade materials approved by Association of American Feed Control Officials

Worldwide commercial and university trials

In trials in the U.S., as well as around the world in countries including Colombia, India, Malaysia, Turkey, Nigeria and Chile, results consistently find Lumensa products contribute to healthier poultry, even under heat-stress conditions.

The results are in

Standard vs low-energy diets

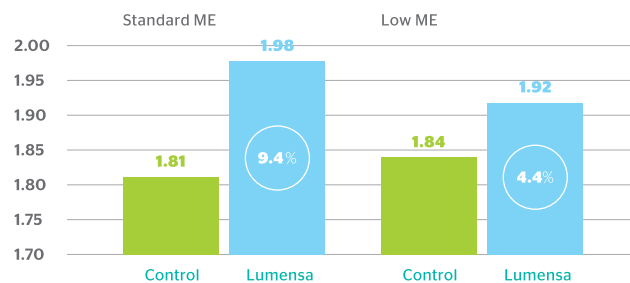
Lumensa improved performance of Vencobb broilers fed standard and low-calorie diets in a 42-day trial. Low-calorie diets with 2.5% lower ME supplemented with Lumensa produced better results than standard ME diets alone:

- + 6.1% Body weight gain
- - 6.4% Feed conversion ratio

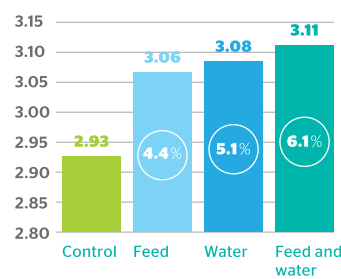
A choice of applications

Lumensa can be applied through feed or water supply with best results from parallel application of feed and water, as discovered in a trial on 708 Ross broilers. Chickens were raised under heat-stress conditions for 49 days.

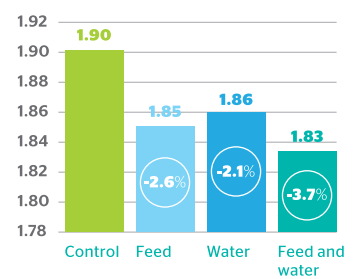
Effect of Lumensa on Body Weight Gain (kg)



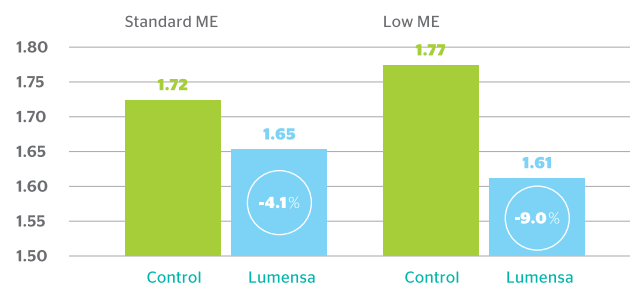
Body Weight Gain (kg)



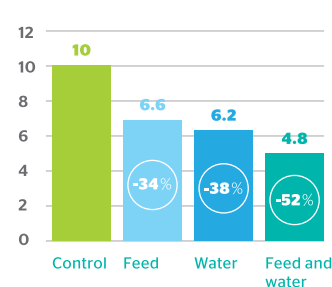
Feed Conversion Ratio



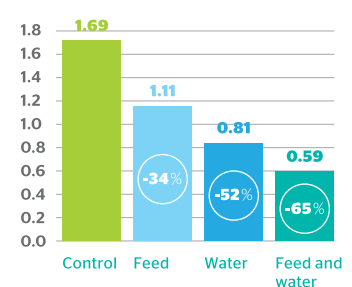
Effect of Lumensa on Feed Conversion Ratio



Mortality (%)



Lesion Score (0-4)



Discover the single most-impactful choice for farmers who care.

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