



**PROMOTES EFFICIENCY &
PRODUCTIVITY IN POULTRY**



Varium® is a patented, natural formula that improves performance by reducing the level of challenge from pathogenic bacteria and the toxins they produce, strengthens the intestinal barrier and stimulates immunity. The synergistic formula has been proven to promote intestinal health and feed for poultry producers around the world.

VARIUM WORKS IN THREE DISTINCT WAYS:

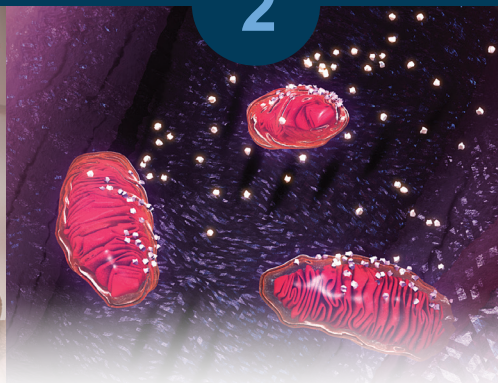
1



**PROTECTS
INTESTINAL LINING**

An enterosorbent mineral chemically binds pathogenic bacteria and the disease-causing toxins they produce.

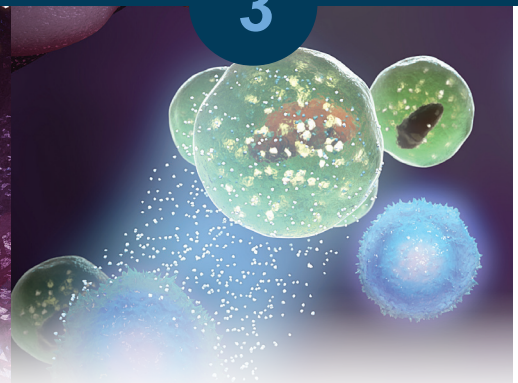
2



**ENERGIZES
CELLS**

Provides an energy source for the replenishment of intestinal epithelial cells that are essential for healthy gut function.

3



**STIMULATES
IMMUNITY**

Acts as an immunomodulator to help birds naturally combat enteric disease.

Upon inclusion of this patented technology in poultry feed, producers have effectively removed multiple feed additives and experienced equivalent or better results.

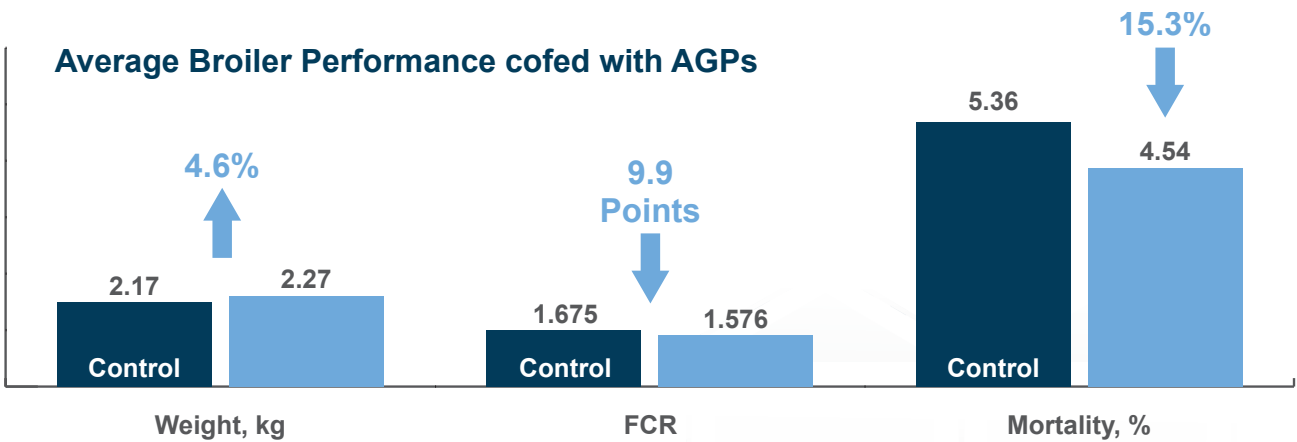
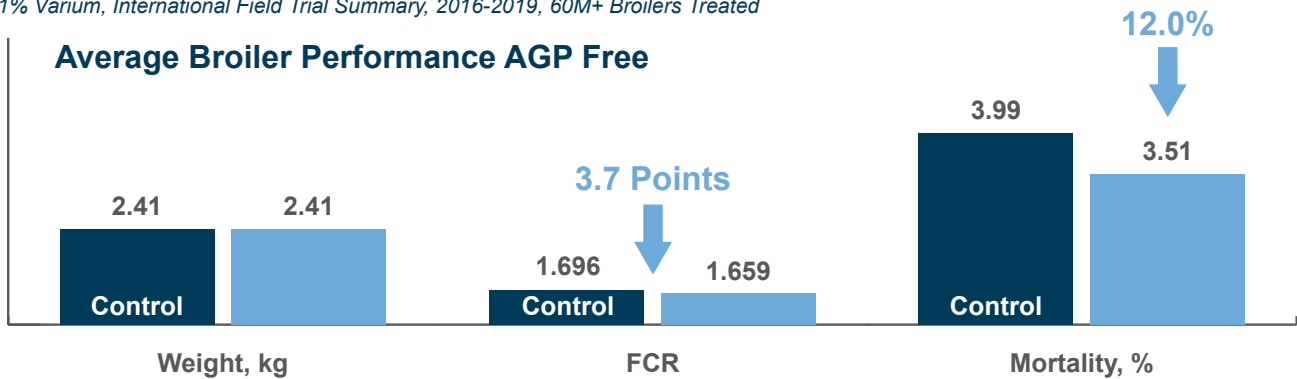
Varium resulted in feed:gain improvement equal to an antibiotic in unchallenged or challenged broilers

| Varium - Antibiotic - NE | Weight gain, kg | F/G adjusted |
|--------------------------|----------------------|--------------------------------|
| No - No - No | 1.353 ^a | 1.665 ^{cd} |
| No - No - NE | 1.226 ^d | 2.055 ^a |
| No - Antibiotic - No | 1.330 ^{ab} | 1.611 ^d |
| Varium - No - No | 1.340 ^{ab} | 1.620 ^{cd} |
| No - Antibiotic - NE | 1.275 ^{cd} | 1.794 ^b |
| Varium - No - NE | 1.302 ^{bc} | 1.794 ^b |
| Varium - Antibiotic - NE | 1.285 ^{bcd} | 1.718 ^{b^c} |

Broiler Field Trial Results

The benefits of using Varium are proven in commercial use. Varium effectiveness has been further confirmed when applied in the field.

Source: 0.1% Varium, International Field Trial Summary, 2016-2019, 60M+ Broilers Treated



Use alone or with other Amlan products in synergistic combinations for optimal health and performance results.

