



Poultry

active ingredient
enzyme activity
mode of action

thus Quantum®
effectively
benefits in poultry

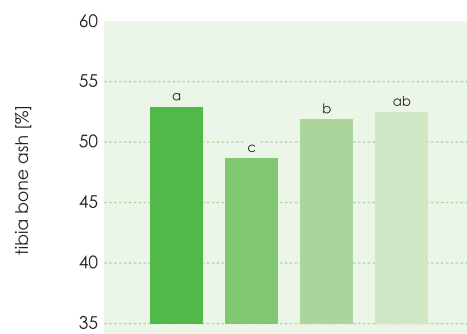
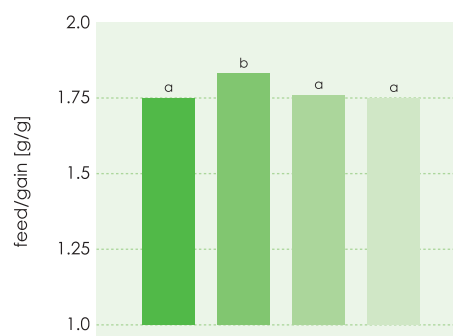
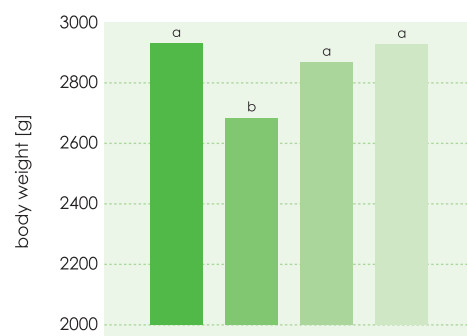
Enhanced 6-phytase from *E. Coli*

2500 FTU/g in Quantum® 2500 + 5000 FTU/g in Quantum® 5000

Quantum® liberates phytate-bound phosphate (P) from raw material of plant origin. Quantum® is a third generation enzyme that binds to and hydrolyses phytate efficiently over the entire range of pH encountered in the gastrointestinal tract.

- improves availability of P and other phytate-bound nutrients for poultry
- reduces environmental impact from phosphate excreted by poultry

The effect of Quantum® was demonstrated in a broiler trial carried out in USA. Results show the positive influence of Quantum® on body weight, feed/gain and tibia ash when added to the negative control diet.



■ Positive control ■ Negative control ■ NC + Quantum® at 500 U/mt ■ NC + Quantum® at 1000 U/mt
Angel and Wyatt, 2006 abc P<0.05
University of Maryland, corn-based diets, 45 day old broilers, negative control -0.14%avP

recommendations

Inclusion rate: In general it can be assumed that 1.3g available P can be replaced by 500 FTU Quantum®/kg feed. Due to differences in P utilisation of poultry, it is recommended to use a higher phytase application in fast growing poultry like broilers and turkeys than in laying hens.

broilers, turkeys and ducks	500 FTU/kg feed
laying hens	300 FTU/kg feed

For more specific information on products or technical recommendations please contact AB Vista.



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