

ADDCON OFFERS SCIENCE



pwrPlanz OK

Effect of pwrPlanz OK in combination with an acidifier on broiler performance

Introduction:

Broiler growth rate, mortality and feed efficiency are keys to their economic performance. Organic acids as well as essential oil extracts have been proven to be effective in maintaining animal health and performance during fattening period with the result that the prophylactic use of antibiotics can be reduced.

Materials and methods:

The presented feeding trial with broilers was carried out on a conventional farm in Germany in 2020. pwrPlanz OK was used in drinking water of broilers as flushing additive in combination with ADDCON XL Forte. The treatment was initiated on the 14th day and lasted until day 35 post hatch, using ADDCON XL Forte continuously at a dosage of 1 l per 1000 l of drinking water. In order to achieve optimal results, pwrPlanz OK was also applied to the drinking water at 5-day intervals with a dosage of 0.05%.



Results:

The obtained results are presented in the following table. The combination of ADDCON XL Forte and pwrPlanz OK significantly reduced the negative impact of the 21-day syndrome on broiler performance and health. Feed conversion ratio (FCR) and mortality were decreased due to 3 weeks of treatment with both additives in turn, resulting in a considerable improvement of the European Broiler Index (EBI) by 53%.





	Control	pwrPlanz OK & ADDCON XL Forte combination	Difference (%)
Final weight (kg)	2.153	2.187	+1.6
ADG (g)	62	63	+1.6
FCR	2.26	1.51	-33
Mortality (%)	2.1	1.3	-38
EBI	269	412	+53

Conclusion:

pwrPlanz OK in combination with ADDCON XL Forte is able to significantly improve both health and feed conversion of broilers. Thus, the application vastly enhances the profitability of broiler production without the use of prophylactic in-feed antibiotics.



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