

ACID-A-PRO Poultry Research Trial in Commercial Broiler Operation

Introduction: A feeding trial was conducted at a large commercial poultry operation in Southern Taiwan.

Objective: To examine the performance of ACID-A-PRO™ in broiler diets.

Materials & Methods: Two groups for a total of 77,800 broilers were used in the study. The facility utilized Arbor Acre genetics. The barn was a convention style with clean litter at the beginning of the trial. All birds in both groups were fed the same feed with ACID-A-PRO added at five kg/ton throughout the entire test period, which ran from day 0 through market (39 days). The field trial was conducted during the hottest time of the year in July and August. Total feed consumed was measured per group to determine feed conversion. All birds were weighed at the end of the trial to determine average market weight. The European Union (EU) index was determined by the following formula: (Average Body Weight x Survival Rate) / (Feed/Gain x Feeding Days).

Results: Although a control group was not included in this trial, the results demonstrated a positive effect of ACID-A-PRO when compared to previous trials conducted with broilers under similar conditions. In this trial, both groups of broilers fed the product exhibited a high survival rate, with 2.70% and 1.40% mortality rates. Other trials indicate that mortality rates of broilers not fed ACID-A-PRO ranged from 5 to 8%. The EU index of both groups was positive at 309 and 325, which is above a target index of 290. In previous trials, broilers not fed ACID-A-PRO, had a EU index of 250 to 270.

Table 1:

	Group 1	Group 2
Number of Birds	40,000	37,800
Survival Rate	97.3%	98.6%
Mortality Rate	2.70%	1.40%
Average Market Weight, kg (lb)	1.97 (4.34)	2.10 (4.63)
Feed/Gain	1.59	1.63
Feeding Days	39	39
EU Index	309	325

Conclusions: Broilers fed diets containing ACID-A-PRO showed positive survival rates, had good growth performance and an excellent EU index. Performance of these two groups were higher than previous groups who were not fed ACID-A-PRO.

