ACID-A-PRO™

# Research Bulletin P-23

## ACID-A-PRO Poultry Research Trial in Broiler Diets in Taiwan

**Introduction:** A feeding trial was conducted at Xin-Xang commercial broiler farm in South Taiwan.

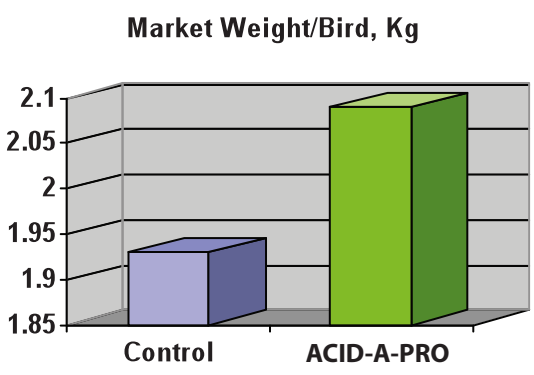
**Objective:** To examine the performance of ACID-A-PRO™ in poultry broiler diets.

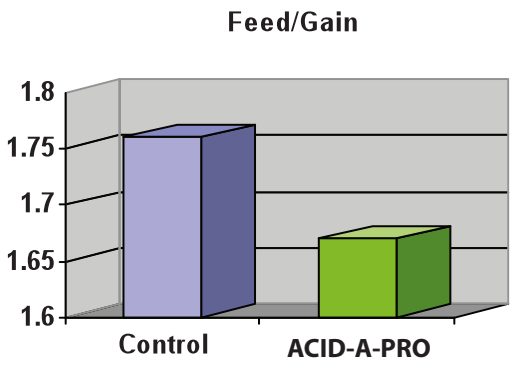
**Materials & Methods:** Two barns were utilized for the trial. The barns were a convention style with clean litter at the beginning of the trial. The broilers were Arbor Acre genetics. All birds in both barns were on the same feed for days 0 to 16. On day 17, the birds in barn one received a control diet with no ACID-A-PRO. The birds in the second barn received a diet with ACID-A-PRO added at five kg per ton, which replaced corn in the diet. The trial was conducted during the hottest time of the year in June and July. The test period was from day 17 until marketed at day 38-40. Total feed consumed was measured per barn to determine the feed conversion. All birds were weighed at the end of the trial to determine the average marketing weight. The European Union (EU) index was determined by the following formula: (Average Body Weight X Survival Rate) / (Feed/Gain X Feeding Days).

**Results:** The birds on ACID-A-PRO had 160 grams higher average market weight per broiler and higher feed efficiency (9 points 1.76 vs. 1.67) Figures 1 & 2. The barn on ACID-A-PRO had better growth rate and were marketed 2 days sooner. The ACID-A-PRO group had 4.5% lower mortality. The barn with the control group had some problems with the cooling fan controls for a half day, which resulted in some minor heat stress. The farm estimated that based on mortality during this period, it may have increased mortality in the control group by 1-2%.

| Table 1: | Control | ACID-A-PRO |
|---|---|---|
| Number of Birds | 23,000 | 31,000 |
| Survival Rate % | 92.00 % | 96.50 % |
| Mortality Rate % | 8.00 % | 3.50 % |
| Average Market Weight Kg (lbs.) | 1.93 (4.25) | 2.09 (4.61) |
| Feed/Gain | 1.76 | 1.67 |
| Feeding Days | 40 | 38 |
| EU Index | 252 | 318 |

**Conclusions:** Broiler chickens consuming diets with ACID-A-PRO had better performance, higher survival rate and were ready for market sooner.

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