

FRA[®]MELCO

The effect of FRA AC34 liquid on general performance in broilers

TRIAL REPORT

Public version

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1. Introduction

FRA AC34 liquid is one of the animal feed additive products developed and produced by FRAMelco. The formulation of this specific product is based on a combination 1-monopropionin, 1-monobutyryn and some phytogetic plant extracts. The product is part of the Health program. Applying this specific combination to broilers results in increase of animal health and performance, measurable by parameters as growth, and feed conversion ratio (FCR).

This report presents the results on growth of broilers after feeding FRA AC34 liquid, compared to a negative control. Experiment was performed at two commercial farms in Malaysia, 2012.

2. Material and Methods

At two farms the FRA AC34 liquid was evaluated by adding 1 kg FRA AC34 liquid per 1000 liter drinking water. At the first farm in total 20,000 broilers were treated with FRA AC34 liquid, and a control group with a similar number of birds was fed usual feed in parallel, without any addition of FRA AC34 liquid. At the second farm in total 12,000 birds were evenly distributed over two groups. Half of the birds were treated with 1 kg FRA AC34 liquid per ton of drinking water, the other half of the birds were control group and did not receive any FRA AC34 liquid.

3. Results

The effect of FRA AC34 liquid on bodyweight is presented in Table 1. Mortality was not significant different between groups and based on personal communication with the farmers it seems that feed conversion ratio was lower for the FRA AC34 liquid treated animals; however no quantitative data regarding this parameter is available.

Table 1. Effect of FRA AC34 liquid treatment on bodyweight (g)

Age (days)	Farm 1		Farm 2	
	Control	Treatment	Control	Treatment
	20000	20000	6000	6000
7	200	210	210	190
14	485	508	450	480
21	1200	1000	830	840
28	1450	1500	1300	1350
32	1600	1700	1650	1750
35	1900	2025	2015	2030

4. Conclusion

- Broilers showed improved bodyweight after the supply of 1 kg FRA AC34 liquid per 1000 liter drinking water.
- Body weight increased, whereas less feed was consumed, reported by the farmer, this implicates that FCR improved.

For additional info about this trial please contact R&D@framelco.com