

## GalliPro®

### Efficacy Trial in Broilers

United States of America - Southern  
Poultry Research

#### Trial description

A total of 1800 Cobb male broiler chickens were allocated to four different treatments in a trial conducted by Southern Poultry Research. The treatments consisted of untreated control, one group treated with  $8 \times 10^5$  CFU GalliPro per g feed, one positive control group treated with 16.5 ppm Virginiamycin and finally a fourth group with the combination of GalliPro and Virginiamycin. Coban (100 mg/kg) was added to all diets to prevent coccidiosis. Nine replicates per treatment were used. Trial duration was from 0 to 42 days of age.

The composition of the diets used in this trial is given below in Table 1.

**Table 1. Feed composition**

	Starter 0-21 days	Grower 22-35 days	Finisher 36-42 days
<b>Ingredients, (%)</b>			
Corn	56.0	60.8	68.0
Soybean meal	37.8	32.6	26.2
Fat	2.8	3.4	3.0
Premix	3.4	3.2	2.8
<b>Nutrients, (%)</b>			
AMEn, kcal/kg	3,080	3,150	3,200
Crude protein	22.5	20.5	18.0
Oil	5.05	5.80	5.50
Met + Cys	0.93	0.85	0.78
Lysine	1.27	1.12	0.95
Calcium	0.95	0.90	0.75
Total P	0.72	0.67	0.60

#### Results & discussion

Results obtained in this trial are presented in table 2.

This trial showed that both GalliPro and Virginiamycin improved the broiler performance when supplemented to commercial corn soy based diets.

Supplementation with GalliPro alone improved final

weight numerically. The addition of Virginiamycin and the combination of Virginiamycin and GalliPro increased the weight gain significantly ( $p < 0.05$ ). All dietary treatments significantly ( $p < 0.05$ ) improved FCR when compared with the untreated group.

**Table 2. Results for bird performance**

	Control	GalliPro	AGP	GP + AGP
Start weight, g	44.4	44.6	44.5	44.7
End weight, g	2183	2214	2220	2226
<i>Diff. from Control</i>	-	1.4%	1.8%	2.0%
Total Feed intake, g	4046	4052	4009	4017
Total weight gain, g	2138 <sup>a</sup>	2169 <sup>ab</sup>	2176 <sup>b</sup>	2181 <sup>b</sup>
FCR g/g	1.833 <sup>a</sup>	1.793 <sup>b</sup>	1.783 <sup>b</sup>	1.779 <sup>b</sup>
<i>Diff. from Control</i>	-	-2.2%	-2.7%	-2.9%

<sup>ab</sup>: ( $P < 0.05$ )

#### Conclusion

In conclusion, GalliPro showed the same effect as that of Virginiamycin and proved to be a reliable alternative to antibiotic growth promoters. A slight synergy effect of GalliPro and Virginiamycin was also observed.