Flavomycin®

Efficacy in field trial

Objective: The efficacy of Flavomycin® in broilers under field conditions next to other performance enhancing products[1].

Study design: 280 one-day-old male Arbor Acres broilers were used in this trial divided into 4 treatment groups. There were 10 replicate pens per treatment, with 7 birds per pen.

Trial design: The trial was conducted in 2 phases consisting of a starter phase from 1 to 21 and a finisher phase from day 22 to 42. Birds received Flavomycin®, Virginiamycin and Enramycin from day 1 through day 42.

Treatments:

Treatment group	Dosage	Period
Blank		From 1 day until 42 day
Flavomycin®	**5 ppm**	**From 1 day until 42 day**
Enramycin	5 ppm	From 1 day until 42 day
Virginiamycin	20 ppm	From 1 day until 42 day

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RESULTS AND DISCUSSIONS:

Performance parameters – 1 – 6 week

treatment / parameters	Flavomycin®	Enramycin	Virginiamycin	Blank	P value
ADG , g/d	**44.12**	43.95	42.32	43.81	0.49
BW 42 d , g	**1898.27**	1891.24	1822.74	1885.46	0.49
ADFI, g/d	**71.69^{c}**	76.17^{b}	82.30^{a}	74.26^{b}	< 0.01
FCR	**1.63^{c}**	1.74^{b}	1.95^{a}	1.71^{b}	< 0.01

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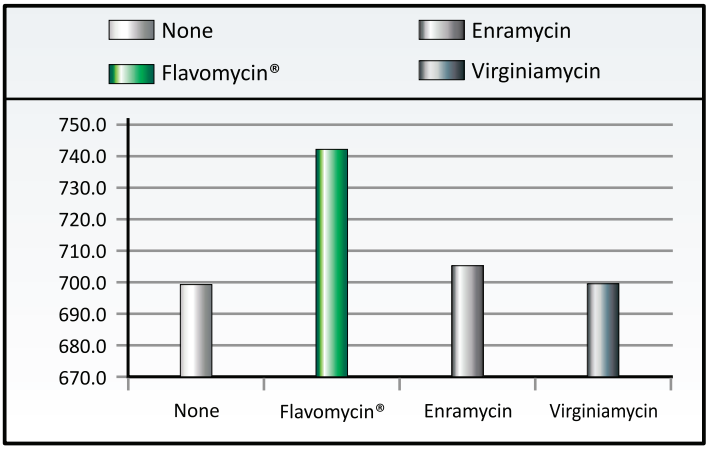
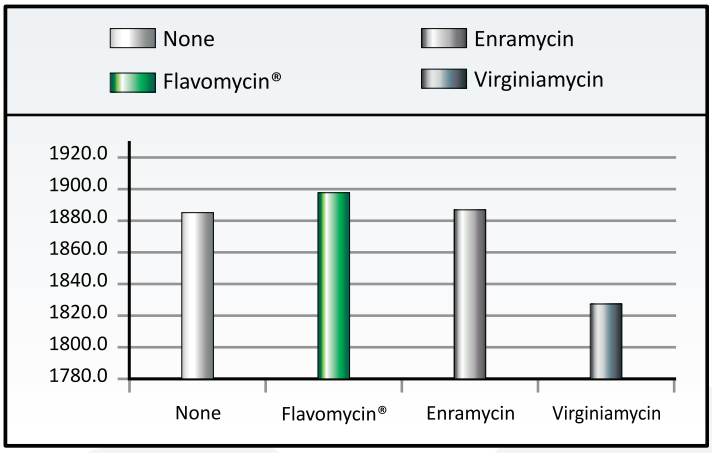
Effect of different treatments on weight gain and FCR

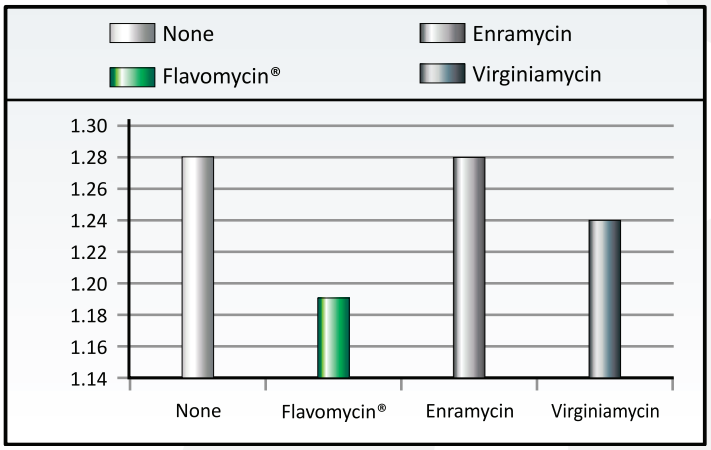
Weight Gain in grams 1 – 21 days



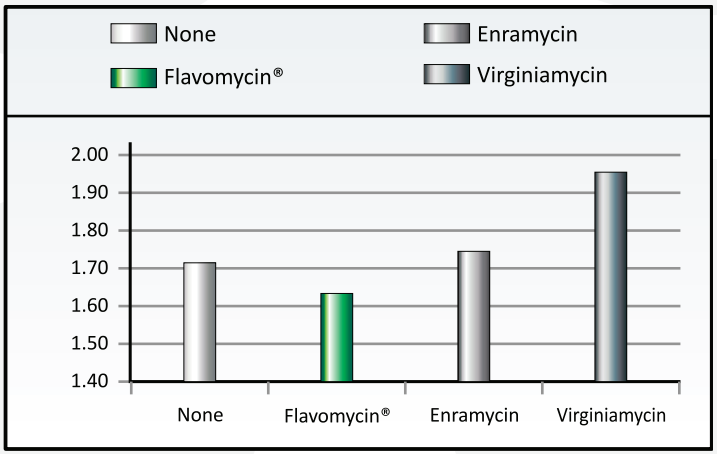
Weight Gain in grams 1 – 42 days



FCR 1 – 21 days



FCR 1 – 42 days



Conclusions:

- Flavomycin® used in a dose of 5 ppm compared to other growth enhancing products clearly indicates significantly better results in daily weight gain and FCR.
- Flavomycin® fed birds showed a tendency to have better body weight gain for the entire trial.