



SPANISH COMMERCIAL FARMS IMPROVE PRODUCTIVE PERFORMANCE USING BUTIREXC4

SPAIN, 2004

PREM13-AV-BR-1

This study was aimed to evaluate the effect of Na-butyrate (BUTIREX C4) on the productive performance on broiler meat production, specifically on the same productive conditions as in the farm conditions.

The continuous use of different chemicals drugs, antibiotics, growth promoters in the intensive farming can affect the integrity of gastrointestinal microbiota, reduce growth performance and have a negative impact on productive parameters. In order to evaluate the impact of BUTIREX C4, 4 trials were done with 24 cages (12 control groups + 12 trial group)



Material And Methods:

Trial 1:

A total of 1440 male Ross Chicken were distributed in 24 cages from day 0 to day 39, and 2 different diets were evaluated:

- Control group (no AGP)
- BUTIREX C4 group (1 kg/mt in starter and grower feed)

At the end of the trial, were evaluated:

Results 0-18 days → Productive parameters as initial weight, final weight, daily feed intake, average daily gain, conversion ratio, Mortality

Results 18 - 32 days → Productive parameters as initial weight, final weight, daily feed intake, average daily gain, conversion ratio, Mortality.

Trial 3:

A total of 720 Ross Chicken were distributed in 24 cages from day 0 to day 26, and 2 different starter diets were evaluated:

- Control group with AGP (Avilamycin 10ppm)
- BUTIREX C4 group (1 kg/mt in starter feed until day 26)

At the end of the trial, were evaluated:

Results 0-11 days → Productive parameters as final weight, conversion ratio, Mortality

Results 11 - 26 days → Productive parameters as final weight, conversion ratio, Mortality.

Trial 2:

A total of 1440 Ross Chicken were distributed in 24 cages from day 0 to day 39, and 2 different diets were evaluated:

- Control group with AGP (Avilamycin 10ppm)
- BUTIREX C4 group (1 kg/mt in starter)

At the end of the trial, were evaluated:

Results 0-21 days → Productive parameters as final weight, daily feed intake, average daily gain, conversion ratio.

Trial 4:

A total of 360 Ross Chicken were distributed in 12 cages from day 0 to day 14, and 2 different starter diets were evaluated:

- Control group with AGP (Avilamycin 10ppm)
- BUTIREX C4 group (2 kg/mt in starter feed until day 14)

At the end of the trial, were evaluated:

Results 0-14 days → Productive parameters as initial weight, final weight, daily feed intake, average daily gain, conversion ratio, Mortality.

Results:

	PI	PF	CMD	GMD	IC	% Mortalidad
Control	42,6	495,0	794	25,1	1,757	1,11
BUTIREX C4	42,4	615,0	905	31,8	1,581	1,25
Pr>F	0,52	<0,0001	<0,0001	<0,0001	<0,0001	0,82

	PI	PF	CMD	GMD	IC	% Mortalidad
Control	495,0	1.389	1.626	63,8	1,820	2,53
BUTIREX C4	615,0	1.596	1.816	70,1	1,850	0,84
Pr>F	<0,0001	<0,0001	<0,0001	<0,0001	0,3	0,003

0-21 días	Peso 21 d	GMD	CMD	IC	0-14 días	Peso inicial	Peso final	Consumo	GMD	IC	Mortalidad, %
Control + AGP	507 a	24,14 a	50,45 a	2,09 a	Control (Avilamicina)	45,0	443,7	572,3	28,5	1,435	1,1
BUTIREX C4	550 b	26,19 b	52,12 b	1,99 b	BUTIREX C4	44,7	468,3	588,2	30,3	1,389	1,1
Mejora (%)	+ 9%	+10%	+ 3%	- 4,8%	Mejora (%)	- 0,6	+ 5,5	+ 2,8	+ 6,3	- 3,2	-

0-26 días	0-11 días		11-26 días		Mortalidad, %
	Peso final	IC	Peso final	IC	
Control + AGP	179,7	1,66 a	736,7 a	1,52	3,67
BUTIREX C4	185,4	1,62 b	772,6 b	1,53	1,17
Mejora (%)	+ 3,2	- 2,4	+ 5,5	- 0,7	- 68

Conclusions:

The results of this study reveal that Butirex C4 has a positive effect on productive parameters, stimulates intake and improves feed efficiency due to a better intestinal development

Do you want to know more?



butirexC4.net