

Effect of Butirex-C4 on productive performance in breeders under commercial conditions

SPAIN, 2016

PREM13-AV-BRE-2

The aim of the study was an assessment of supplementation with Butirex C4 on productive performance in broiler breeders under Spanish commercial conditions.

Method and Material:

Diets → 2 treatments:

- Control: Commercial diet.
- Butirex-C4: Same commercial diet + 1 kg/tn Butirex-C4.

Animals → 2 different houses depending of the treatment:

- Control: 6.225 hens (25 wks of age) and 697 roosters (8,9 hens/rooster).
- Butirex-C4: 6.084 hens (25 wks of age) and 717 roosters (rate: 8,5 hens/ rooster).

Measurements (from 28 to 62 wks of age):

- Mortality and feed intake.
- Egg production and chicks hatching.
- Feed conversion ratio.

Did you know...?

Reproductive inefficiency is the most costly and limiting constraint to efficient production. Even though the reproductive capacity of poultry exceeds that of other farm animals, problems in reproduction still cause economic losses to the poultry breeding industries.

Results of productive performance:

- Mortality of the hens during the laying phase was 5.82% and was not related to treatment (data not shown).
- Feed Intake of the hens was similar between treatments (Figure 1) but it was higher in roosters fed Butirex-C4 diet (Figure 2).

Figure 1. Feed Intake of the hens (g/d).

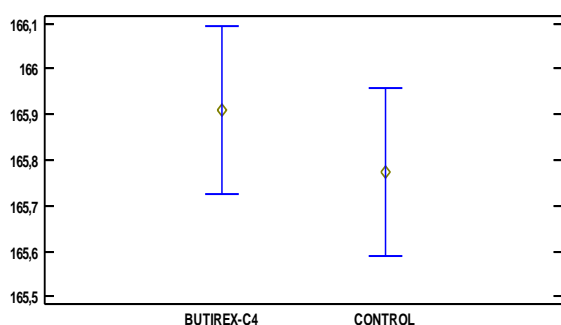
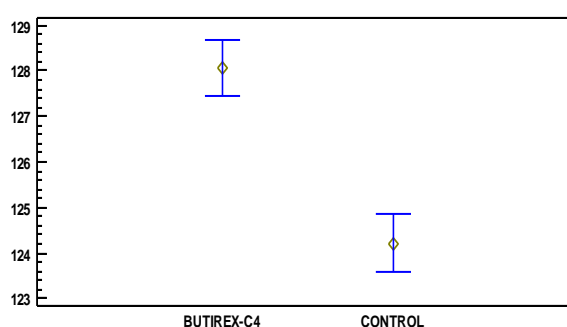


Figure 2. Feed Intake of the roosters (g/d).



Results of egg production and quality:

Egg production (%) was better in hens fed Butirex-C4 diet than the Control group (Figure 3).

Also, hens fed Butirex-C4 diet had more proportion of chicks hatching than the Control group (Figure 4).

Figure 3. Influence of Butirex-C4 level on egg production (%).

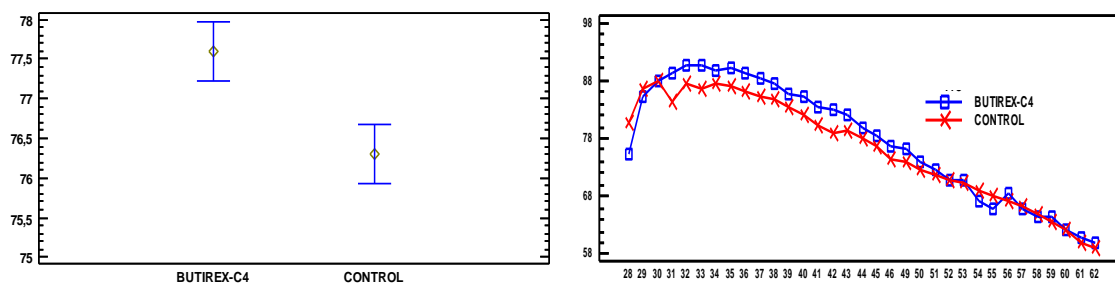
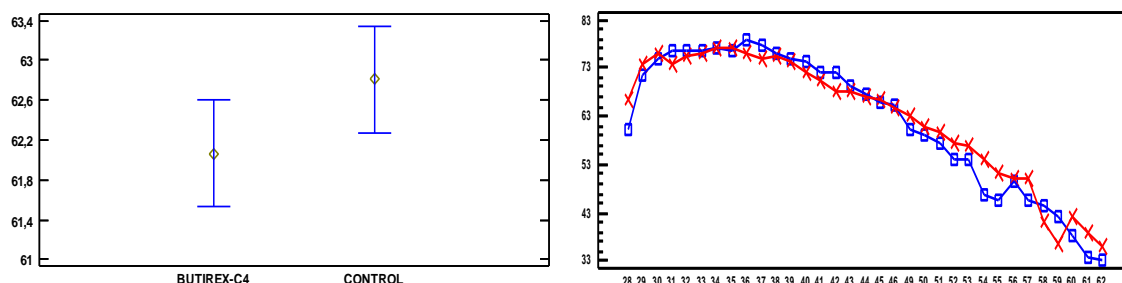


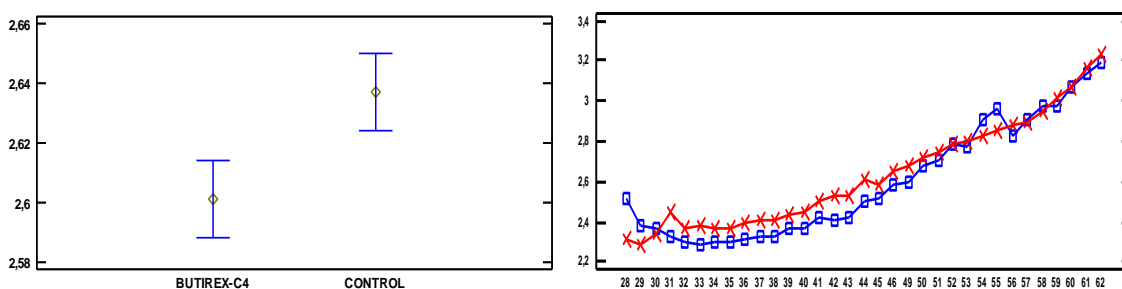
Figure 4. Influence of Butirex-C4 level on chicks hatching (%).



Results of feed efficiency:

Feed conversion ratio per dozen was better in hens fed Butirex-C4 diet than the Control group (Figure 5).

Figure 5. Effect of the addition of Butirex-C4 on feed conversion ratio (kg:dozen).



Conclusion:

Butirex-C4 improves egg production and quality increasing chicks hatching per hen. Also, feed efficiency is improved using Butirex-C4.

Do you want to know more?



butirexC4.net