



## Influence of the inclusion of Butirex-c4 in the rearing phase diets on growth performance and subsequent hen productivity of white-egg laying hens

SPAIN, 2016  
PREM13-AV-LAY-2



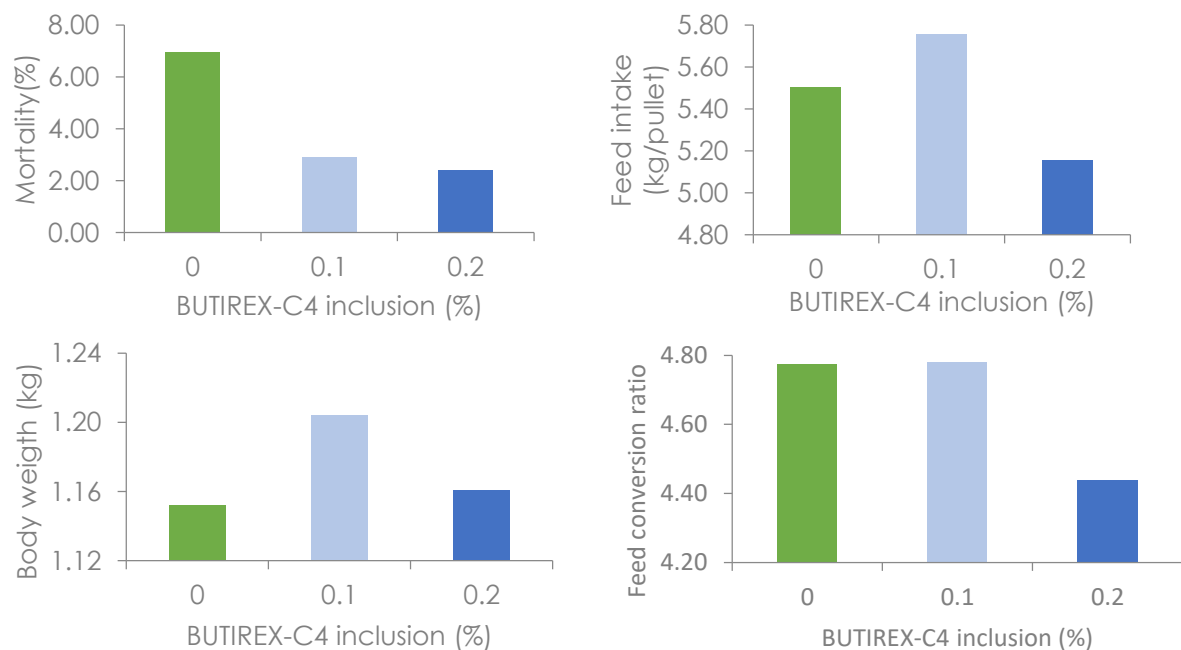
The objective of the trial was evaluated the effect of the inclusion of Butirex-c4 in the rearing phase diets on growth performance and subsequent hen productivity of white-egg laying hens

### Method and Material:

- 376,642 one-day-old Lohmann LSL pullets were allotted in 4 in groups.
- The feeding program during the rearing phase consisted of 3 periods: from 0 to 5 wk of age, from 5 to 10 wk of age, and from 10 to 18 wk of age.
- In each period, diets were manufactured with 3 level of BUTIREX-C4 inclusion (0.0, 0.1, and 0.2%).
- Pullets of barn 1 and 2 received the diet with 0% of BUTIREX-C4; pullets of barn 3 received the diet with 0.1% of BUTIREX-C4, and pullets of barn 4 received the diet with 0.2% of BUTIREX-C4.
- At the end of the rearing period, pullets were moved to the laying barn, according to the previous rearing treatment. During the laying phase (to 40 wk of age), all hens received a common commercial diet, without BUTIREX-C4.

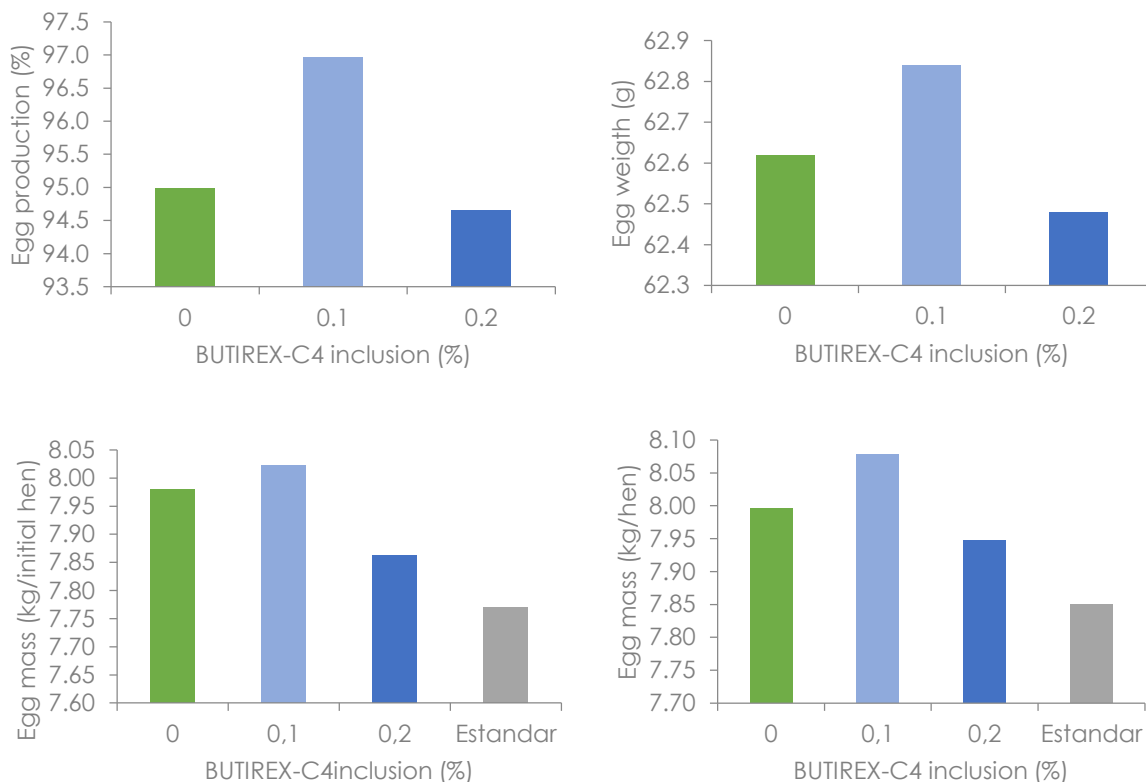
### Results: Influence of BUTIREX-C4 inclusion in the rearing phase diets on pullets growth performance

Figure 1. Influence of BUTIREX-C4 inclusion in the rearing phase diets on on mortality and growth performance



## Results: Influence of BUTIREX-C4 inclusion in the rearing phase diets on hen productivity

Figure 2. Effect of BUTIREX-C4 addition in rearing phase diet on egg production at 40 wk of age.



## Conclusions:

Growth performance was better in pullets fed diets with BUTIREX-C4.

- Feed intake was higher in pullets fed with 0.1% of BUTIREX-C4 diet than in pullets fed with control diet.
- Body weight at the end of the rearing phase was higher in pullets fed BUTIREX-C4. Also, body weight uniformity was better in animals fed diet with 0,2% of BUTIREX-C4.
- Feed conversion ratio was better in pullets fed BUTIREX-C4.

Hen productivity was also better in hens fed diets with BUTIREX-C4 in the rearing phase:

- Egg production was higher in animals fed with the 0.1% of BUTIREX-C4 diet during the rearing phase.
- Egg weight was higher in hens fed with the 0.2% of BUTIREX-C4 diet during the rearing phase.
- Egg mass was higher in animals fed with the 0.1% of BUTIREX-C4 diet during the rearing phase.

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