

**SUMMARY OF THE  
Combined statistical analysis for the efficacy  
studies conducted with AMYLOFEED in  
weaned piglets. Data extracted from the  
Amylofeed EU Efficacy Dossier (weaned piglets),  
July 2003**

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**MATERIALS AND METHODS**

**Study design**

The data obtained from the three experiments: PLROS0750901 (Study 1), PLT&T0750602 (Study 2), and PLPRO0750201 (Study 3), and were combined and analysed altogether. The selected parameters for the analysis were the following: body weight (kg) at around 40\*<sup>1</sup> and 60\*<sup>2</sup> d (days) of age and average daily gain (g/day), feed intake (g/day) and feed to gain ratios (g feed/g weight gain) at 21-40, 40-60 and 21-60 d of age.

\*<sup>1</sup> 42 d for Study 1, 35 d for Study 2, and 40 d for Study 3

\*<sup>2</sup> 63 d for Study 1, 57 d for Study 2, and 60 d for Study 3

**Experimental treatments<sup>1</sup>**

Two experimental treatments based on the supplementation of a feed enzyme (AMYLOFEED) at 500 ppm to a basal diet. The experimental design was applied in both the prestarter and the starter diet.

**Statistical analysis**

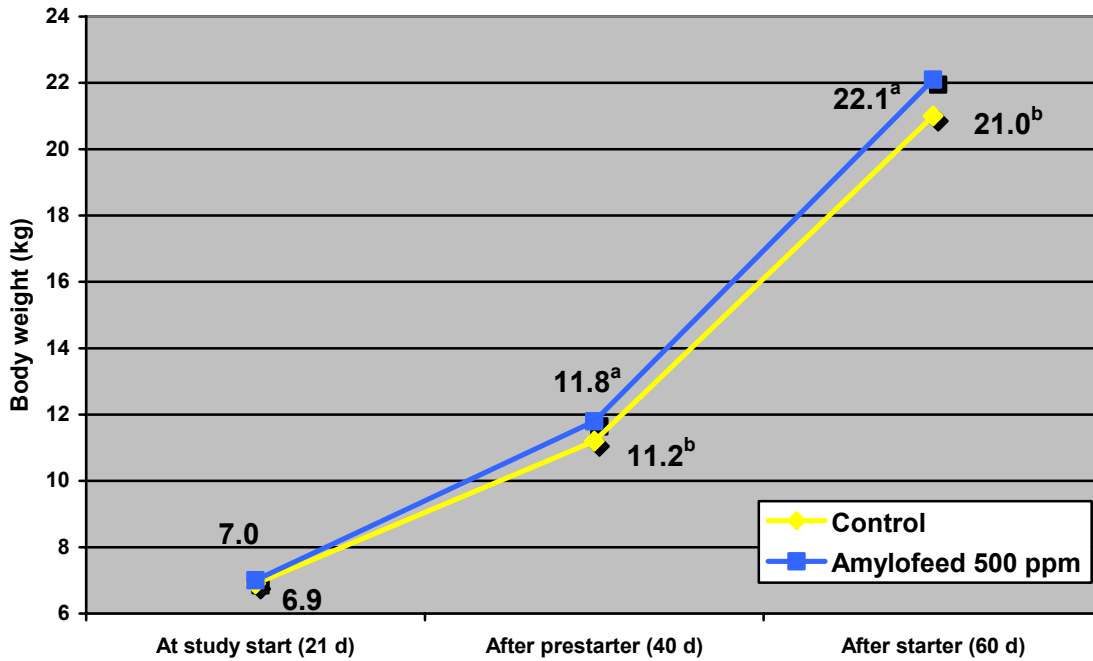
The data were analysed by GLM of SAS v. 6.12 (SAS, 1990) with AMYLOFEED supplementation and Experiment as main effects. Initial body weight was used as a covariate. Probabilities of  $P \leq 0.05$  were considered statistically significant while  $0.05 < P < 0.10$  was considered a near-significant trend.

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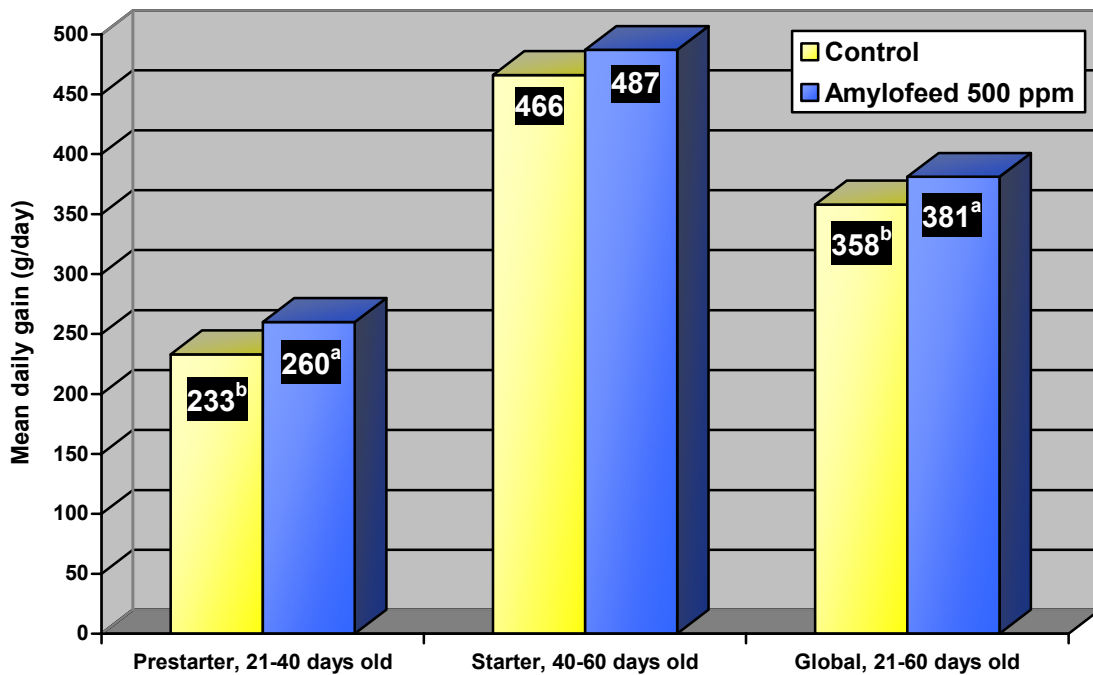
<sup>1</sup> For more details about diets, animals, etc, please consult the individual reports of the experiments

## RESULTS

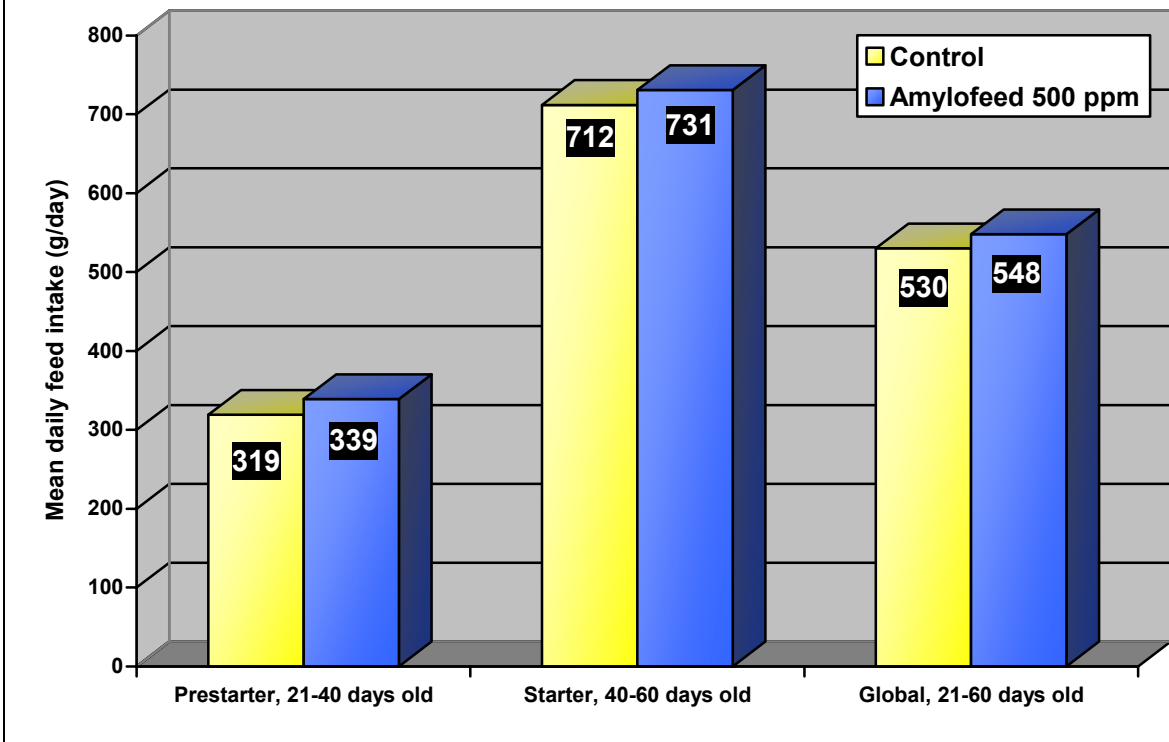
**Figure 1. Summary bodyweight data (kg)**



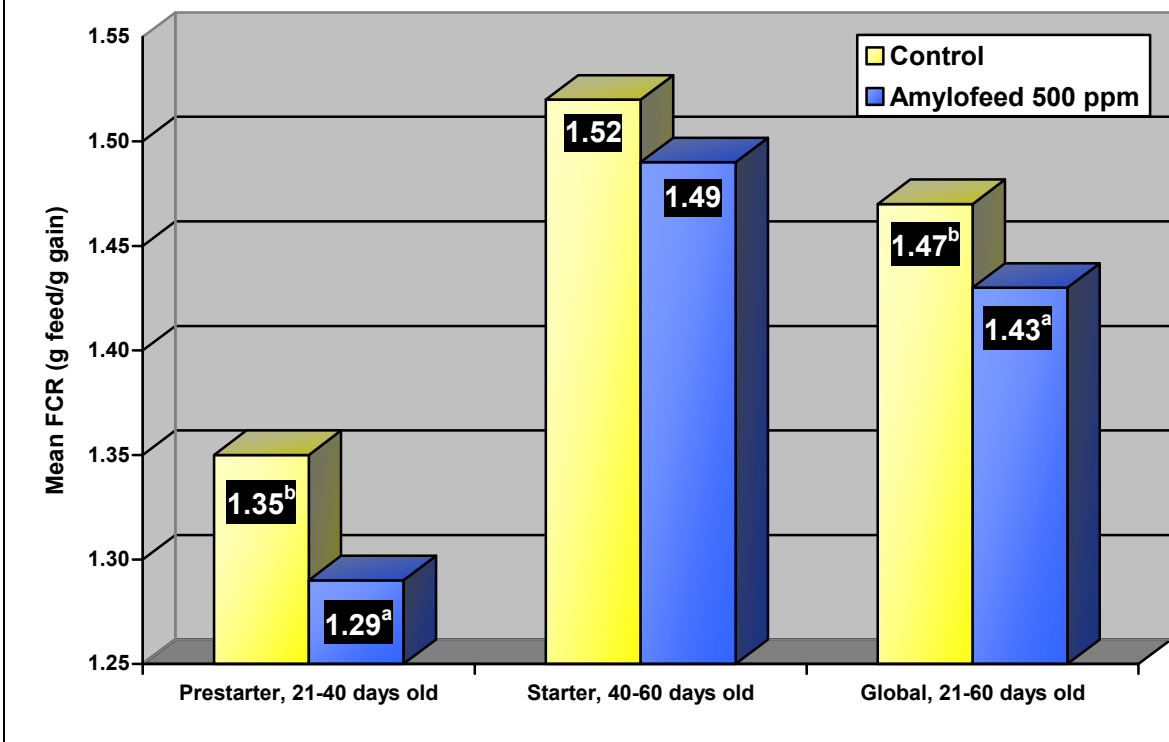
**Figure 2. Growth in weaned piglets (g/day)**



**Figure 3. Feed intake in weaned piglets (g/day)**



**Figure 4. Feed efficiency in weaned piglets (g feed/g gain)**



## CONCLUSIONS

On the basis of these results, the following conclusions can be drawn:

- In comparison with Controls, piglets fed diets supplemented with 500 ppm of AMYLOFEED were heavier (body weight, kg) over the whole study period, from ~21-60 days of age ( $P < 0.05$ ), encompassing both prestarter and starter feeding phases.
- AMYLOFEED supplementation of diets at 500 ppm improved growth (g/day) by 11.6 % and feed efficiency (FCR, g feed/g gain) by 4.4 % between weaning and ~40 days of age (prestarter phase) ( $P < 0.05$ ). For the whole study period (~21-60 days of age, encompassing both prestarter and starter feeds) piglets fed the AMYLOFEED diets grew 6.4 % faster and were 2.7 % more efficient than Controls ( $P < 0.05$ ).