HAMLET PROTEIN

HP 300
for piglets

HP 300 – the proof is in the performance

Results from 20 years of feeding trials are the proof. Addition of our flagship product **HP 300** to feed for weaning pigs secures a consistently better performance than other protein sources. Even after supplementation has ended, **HP 300** contributes to higher weight gain – maximising returns on your protein investment.

20 feeding trials across 10 countries have tested the effect of **HP 300** in feed for weaning pigs. At HAMLET PROTEIN, our analysis of the results confirms what our customers have long experienced: that feed containing our speciality soya protein really is more efficient than feed supplemented with other soya or animal-based proteins.

HP 300 is low in anti-nutritional factors (ANF), that are known to have a negative impact on feed digestibility and nutrient absorption. The lower the level of ANF, the greater the potential for fast and healthy piglet growth.

To confirm the value of **HP 300** addition, various feeding trials that had compared **HP 300** with a range of soya and animal-based protein sources were used in a meta-analysis to evaluate the difference between control diet and those using **HP 300**. Seven of the trials also investigated a post-supplementation effect of early diet on subsequent piglet performance.

HP 300 – key findings

- Feed intake, weight gain and feed conversion ratio are significantly improved with increasing levels of **HP 300** in the nursery feed compared to other protein sources
- Piglet performance continues to improve even when supplementation of **HP 300** ends

Facts on the feeding trials

- 20 feeding trials
- Across 10 countries
- All performed by external partners

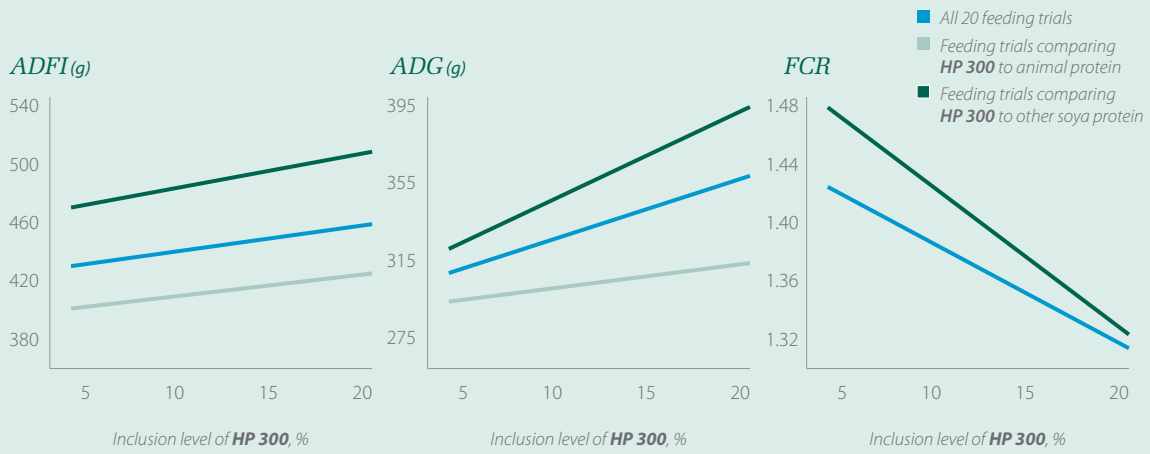
The feeding trials compared **HP 300** with:

- Soya protein sources: soya bean meal, soya concentrate, full-fat soya, extruded soya
- Animal protein sources: skimmed milk powder, whey, blood plasma, fishmeal

Performance related to dosage

The feeding trials measured three primary performance parameters: average daily feed intake (ADFI), average daily gain (ADG) and feed conversion ratio (FCR). The figures below show how each parameter improves when feed is supplemented with increasing doses of **HP 300**, ranging from 3.5% to 20%.

Performance – Impact of increased inclusion of **HP 300**



Note: Only shown for parameters where P< 0.1.

Up to 2kg extra weight gain in the nursery with HP 300

To test any carry-over effect of feeding **HP 300**, weaning pigs were fed a common diet for a period after **HP 300** supplementation. For every percent **HP 300** received over the supplementation period, piglets gained an extra 0.1kg live body weight compared to the control during the post-supplementation period. This shows that **HP 300** has a positive carry-over effect on performance. At a dosage of 20% **HP 300**, up to 2kg extra weight gain was obtained in the nursery in total.

Performance example with 10% HP 300

Performance – 10% dosage of **HP 300**

ADFI	*ADG*	*FCR*
+3%	**+5%**	**-2%**

A 10% dosage of **HP 300** in the nursery produced the results above, leading to 1kg of extra body weight overall. This extra 1kg in the nursery is found to result in 4.3kg extra at the time of slaughter – or a five day reduction in production time
(Source: Proceedings of the 2013 London Swine Conference: Managing for production, March 2013, p. 161).

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