



# *Effect on gut health*

Study adds weight to healthy feed claims. Piglets have a healthier gut and gain more in weight when they are weaned on feed supplemented with **HP 300** from HAMLET PROTEIN. A study, conducted for HAMLET PROTEIN at CCL Research, the Netherlands, has compared the effect of our nutritious soya protein with that of standard soya bean meal on piglet growth and wellbeing.

## **Protein strengthens piglet growth**

The results of the study have added more weight to the case for supplementing piglet feed with the specialty soya protein **HP 300** from HAMLET PROTEIN. Pig farmers who choose piglet feed containing **HP 300** can expect a smoother weaning phase with reduced susceptibility to *E. coli* bacteria, improved feed intake and increased body weight gain, according to this study. That means healthier animals and higher profits on the bottom line.

Conducted by CCL Research in The Netherlands, the study compared the effect on piglets fed a wheat-barley-corn diet supplemented with **HP 300** or conventional soya bean meal. On day six and seven of the 14-day study, the piglets were challenged with *E. coli* K88 – a common bacteria in pigs and a frequent cause of diarrhoea and piglet mortality.

## **Significant weight gain**

Overall, the average weight gain of the piglets fed **HP 300** was 28% higher than that of the group on the diet supplemented with soya bean meal, while feed intake increased just 14%. A substantial improvement in feed utilisation was found.

“At this improved growth rate, piglets can be expected to reach a target weight of 30kg in 72 days – around five days faster than the average for conventional feed,” says Lars Sangill Andersen, Nutritionist at HAMLET PROTEIN.

	Days	HP 300	Soya bean meal
Growth (kg)	(0-6)	1.13	0.77
	(7-14)	2.23	1.87
	(0-14)	3.36	2.63
Feed intake (kg)	(0-6)	1.26	1.11
	(7-14)	3.10	2.70
	(0-14)	4.36	3.81

In addition, the improved feed efficiency and lower age on reaching 30kg gives a feed saving of around 3.5kg feed per piglet.

## High *E. coli* resistance

Faecal samples taken at regular intervals during the study period showed consistently lower faecal shedding of *E. coli* in the piglets on the **HP 300**-supplemented diet. Lars Sangill Andersen puts the finding down to the composition of **HP 300**, which contains none of the natural soya sugars that promote *E. coli* growth in the gut.

"The low faecal shedding of *E. coli* is the direct explanation for the increased weight gain," he comments.

"This shows the piglets were able to recover from stress more quickly – a significant benefit that saves labour, time and costs for the farmer."

## HP 300 – a valuable supplement to piglet feed

- Improved gut health\*
- Increased growth rate
- Higher profits

\* Due to the correction of a nutritional imbalance in the gut.

Please contact us for further information about the trial results.