

Japan Field Trial Performance Report

INTRODUCTION:

In a nursery pig trial conducted at an agricultural research station in Japan, a combination of DPS 30 and Spray-Dried Porcine Plasma (SDPP) produced a more effective result than using SDPP alone.

MATERIALS & METHODS:

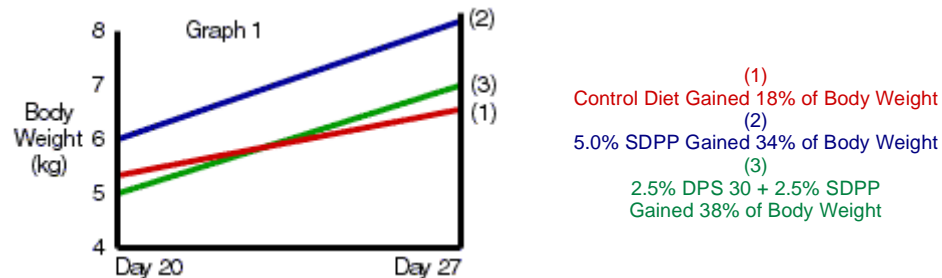
Three different treatments were tested:

- Control (no SDPP or DPS),
- 5.0% SDPP, and
- 2.5% SDPP and 2.5% DPS 30.

Diets were balanced for key nutrients and amino acids. There were five groups for each treatment. All of the pigs were weaned at 20–23 days and then tested for 6 days.

RESULTS:

	CONTROL	5.0% PLASMA	2.5% DPS + 2.5% PLASMA
Weaning Weight, kg	5.34	6.04	4.96
Final Weight, kg	6.32	8.12	6.82
Average Daily Gain, grams	160	350	310



CONCLUSION:

Both SDPP and DPS/SDPP groups outperformed the control group. The SDPP group had numerically higher ADG than the DPS/SDPP group, most likely due to higher starting weights. The SDPP group's starting weight was 1.08 kg heavier than the combination group. A regressive curve of weight gained showed that a combination of DPS and plasma had the best result.

Graph One compares the percent of weight gained to the starting weight for the three treatments. The DPS plus plasma combination was 4.0% higher than the plasma alone treatment and 20% higher than the control diet. Results show that DPS had significant positive effects on young pig performance.