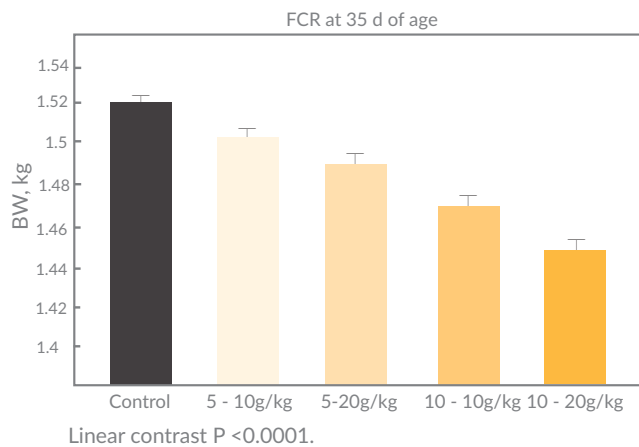




## EFFECTS OF CONCENTRATION AND FEEDING DURATION OF SDP ON GROWTH PERFORMANCE OF BROILER CHICKENS

Plasma can be used as a source of protein and other essential nutrients. Previous researchers have found spray-dried plasma (SDP) helps to improve the performance of pigs, calves, broilers and turkeys. Broilers were fed different levels and duration of spray-dried plasma (SDP). Treatments were control or SDP at 10 (1%) or 20 (2%) g/kg with SDP fed for either 5 or 10 d in length at both levels.



Feeding the SDP overall led to decreased feed intake but an increased BW compared to the control group. FCR was better for the birds fed SDP for 10 days than for the birds fed SDP for only 5 days or not at all.

Overall, level and feeding duration of plasma improved FCR in broilers consuming SDP for the long feeding duration.

At day 24, intestinal villi height was evaluated. Feeding SDP at an early age led to an enhanced intestinal structure and mucosa. Villus surface area was also found to be larger in the birds that consumed feed containing 20 (2%) g/kg of SDP, which can improve the absorption of nutrients. Previous research has found that SDP helps maintain intestinal barrier function.

**FEED AT LOWER LEVELS FOR A LONGER PERIOD OF TIME = MOST COST EFFECTIVE**



### BOTTOM LINE

BODY WEIGHT



FEED CONVERSION



INTESTINAL MUCOSA

