

Enhancing Performance and Profit

Performance and profitability can only be achieved when conditions are ideal. This is especially true in commercially grown animals where so much effort has already gone into breeding and ration formulation.

The one remaining variable remains gut function and this is dependent on maintaining a healthy gut microflora. These intestinal bacteria are responsible for excluding pathogens, bolstering immunity, digesting complex molecules and supporting normal gut function. Development of these gut microflora is under biological control and to optimise gut function requires the provision of the correct environment.

Buffered acids supplied in a stable mineral carrier matrix (SALKIL and BACT-A-CID) encourage proliferation of the acid tolerant species. These acidophiles ferment carbohydrate to lactic acid and protect the gut from enteropathogens. Acidic conditions also provide ideal conditions for cellulose digestion with the release of butyric acid as a colonocyte nutrient to speed up recovery after villus overgrowth.

In young piglets the stress of weaning is exacerbated by the loss of vital sugars that support a healthy population of Bifidobacteria. These bacteria are able to produce a variety of antimicrobial substances – peroxides and bacteriocins to supplement the immature immune system. Providing an acid / fructo-oligosaccharide combination (PREFECT) to selectively support these Bifidobacteria reduces disease immediately after weaning.

