



157 Industry Innovation

Excential Butycoat

by Orffa

In Significant Impact Groups:

Feed / gut health \ Feed additives and supplements

Species targeted: Poultry;

Age: Adult;

Summary:

Banning preventive in-feed antibiotics has increased risks for outbreaks of necrotic enteritis, predisposing from coccidiosis and overloads of nutrients in the intestine. Coated butyrate can be a valuable in-feed additive for broilers to prevent feed intake reduction as a consequence of coccidiosis and necrotic enteritis (NE). Different dietary strategies can be used to fight coccidiosis. Some products act antimicrobially against *Eimeria* species, e.g. essential oils and herbal extracts. Other products beneficially modulate the immune status of the chicken, whereas prebiotics and probiotics improve microflora to reduce the chance of secondary infections. The immunological challenge from coccidiosis and *C.perfringens*, makes the barrier function of the gut layer extremely important. Butyrate is a short-chain fatty acid that enhances the chickens' intestinal functioning, promoting development, maintaining the barrier functioning and acts as anti-inflammatory agent. Proper coating results in butyrate reaching both upper and lower parts of the intestine to exert its positive effects.

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Where to find the original material:

[https://www.poultryworld.net/Nutrition/Articles/2016/2/Dietary-treatments-for-major-poultry-diseases-2764118W/;](https://www.poultryworld.net/Nutrition/Articles/2016/2/Dietary-treatments-for-major-poultry-diseases-2764118W/)

Country: NL