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**The Applied Research Progress of *Bacillus Coagulans* in Egg-Laying poultry Feed**

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**ABSTRACT**

Intestinal health is an important factor that affects animals' production performance. The change of intestinal health would directly influence the digestion and absorption of nutrients. Compared with other poultry's feed, the biggest difference between egg-laying poultry's feed formula and others is the high level of calcium, which makes a large amount of limestone needed in laying hen feed. Limestone has a strong acid-binding capacity to cause pH in the intestine to be up, which breaks the microecological balance in the intestine to affect organism health in some degree. In addition, the strictly controlled use of antibiotics in egg-laying poultry feed is necessary, so some intestinal problems, such as watery feces, feed feces, are common during the high-strength laying production. If healthcare and prevention and cure are late, oviduct system would be infected. Laying performance and egg quality would be decreased. The effects of Microecological probiotics on intestinal health of egg-laying poultry are certain. This paper summarizes the applied research of endogenous acid production *bacillus coagulans* in egg-laying poultry.