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微生物饲料添加剂的主要功能及其研究进展

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Microbial Feed Additives: Major Functions and Its Research Advances

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摘要 益生菌是当摄入量足够时能对机体产生有益作用的活性微生物。人们常把应用于畜牧业生产上的益生菌称为微生物饲料添加剂。以往研究表明,微生物饲料添加剂具有维护动物肠道健康、缓解不良应激、改善畜舍环境、调节机体脂肪代谢和改善畜产品品质的功能。还有研究者认为,微生物饲料添加剂具有替代抗生素功能的作用。本文旨在就微生物饲料添加剂的主要功能及其研究进展进行综述,为其今后在畜牧业生产上的科学应用及相关研究提供参考。

关键词: 益生菌 微生物饲料添加剂 功能

Abstract: Probiotics are live microorganisms which when administered in adequate amounts confer a health benefit on the host. The probiotics used in livestock production are usually called 'microbial feed additives'. A large quantity of previous studies showed that microbial feed additives had many desirable functions, including maintaining intestinal health, relieving unpleasant stress, ameliorating animal housing environment and improving the quality of animal by-products. And some articles also indicated that microbial feed additives had a potential ability of replacing antibiotics. The present paper reviewed the recent advances about major functions of microbial feed additives.

Keywords: probiotics, microbial feed additives, functions

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