

ANIMAL SCIENCE

Title: Critical review on botanical extracts as alternatives production enhancers in swine production system – **NPB #04-137**

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Abstract

The use of botanicals is currently recognized as an essential tool for continuous improvement of total quality animal protein products for humans. A large number of publications by various authors reflect the interest in this alternative field of organic production. Reviews of literature on botanicals have been done in the past by several authors and research groups. However, considering the contributions in the recent times, a more comprehensive review is attempted here. In this paper, the authors have reviewed botanicals literature in a way that would help researchers, academicians and practitioners to take a closer look at the growth, development and applicability of botanicals in several fields taking into account their functional properties. The authors have examined various papers applying a descriptive approach and have proposed a special scheme of classification in accordance to types of research and accountability of this research. In addition, certain gaps that would provide hints for further research in botanicals have been identified.

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