



Hemp in Veterinary Medicine: From Feed to Drug

Review # 1

Jeff Powers *DVM*

Important things to consider when reading this article:

- This article is a good overview of research to date regarding the use of cannabis in domestic animals
- The article has plentiful links so the reader can access specific articles of research
- I found the inclusion of articles related to hemp seed feeding very interesting

The big picture:

- This overview is a good resource for someone wanting to learn more about the potential feed and pharmaceutical related benefits of cannabis in animals
- This article has the value of taking the reader from square one as to how cannabinoids and plant components that are present in cannabis can interact with the body systems of animals



Review # 2

Patti Mayfield DVM, HABC, CVCH

Things to consider when reading this article:

- The authors' interpretation of currently accepted definitions is adequate, however limited to jurisdictional legal definitions, rather than an evaluation of the genetic differences between THC-dominant chemovars and CBD-dominant/minor cannabinoid-dominant chemovars, which ultimately is secondary to variation in complex gene expression
- The authors evaluate the relevant constituents of hemp that would lead to consideration for both nutritional and therapeutic benefits; including, but not limited to the basic nutritional composition of protein, fat, carbohydrates, vitamins and minerals. Additionally, specific cannabinoids, terpenes and terpenoids, fatty acid composition and content, flavonoids, and amino acids are discussed.
- The authors review multiple scientific publications wherein hemp and its nutritional derivatives, most specifically hempseed cakes or hemp oil, were studied within various species in regards to potential benefit in productivity and performance; measurements varied in weight gain, yield of product, and other such factors that could infer industrial benefit.

The big picture:

- This review is ultimately an acceptable analysis of hemp and its derivatives, (based upon previous and current literature) within animal nutrition and for potential therapeutic uses within the field of veterinary medicine and animal production.