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Assessing the Associated Challenges in the Use of Animal Manure in Plant Growth

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ABSTRACT The use of animal manure is of course a significant componentas it enhances the growth of crops and invariably improves the yields from such crops. In addition, there is the clamour for organic farming and green vegetation. Such clamour engages or underscores the importance and relevance of animal manure. Besides, the use of chemical fertilizers has been discouraged because of the various disadvantages. However, care must be taken in the use of animal manure as well because it has its challenges. This write up attempts tothrow light on these challenges which, among other things, include microbial pathogens present in animal manure and effects of such pathogens; antimicrobial drugs in animal manure; existence of heavy metals and pesticides and mycotoxins and hormones in animal manure. This review suggests some management practices and technologies that will reduce the prevalence of these impediments in animal manure and thereby enhance its use.