

البحث الأول

G. M. El-Garhy and A.M. Abd El-Mola. (2013). Effect of using medicinal plant seeds mixtures as feed additives on performance of lactating buffaloes. <i>Egyptian Journal Nutrition and Feeds, 16 (2) Special Issue: 1-8.</i>	البحث الأول
مشترك مع آخر في التخصص – منشور	1

Title	Effect of using medicinal plant seeds mixtures as feed additives on performance of lactating buffaloes.
Participants	G. M. El-Garhy and A.M. Abd El-Mola. (2013). Animal Production Department, Faculty of Agriculture, Fayoum University, Egypt.
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ABSTRACT

The medicinal plant seeds mixtures of *Pimpinella anisum* (anise), *Anethum graveolens* (dill), *Carum carvi* (caraway) and *Foeniculum vulgare* (fennel) as feed additives in lactating buffalo rations were nutritionally evaluated through digestibility and lactation trials. Eight lactating buffaloes with average live body weight of 570 ± 10 kg (three in their 3rd and the rest in 4th lactation seasons) were used. Lactation trial was initiated at 45 ± 3 days post partum, where each buffalo was served as its own control and the experimental rations were fed in successive duration (28 day/ duration). The treatments were (R1) control, (R2) control + (25 g anise seeds and 25 g dill seeds), (R3) control + (25 g caraway seeds and 25 g fennel seeds) and (R4) control + (12.5 g anise seeds, 12.5 g dill seeds, 12.5 g caraway seeds and 12.5 g fennel seeds). The control ration was consisted of 50% concentrate mixture + 30% berseem hay + 20% wheat straw. The results revealed that buffaloes fed rations containing medicinal seeds mixtures showed the highest values of digestibility coefficients and feeding values compared with control ration. Also, buffaloes fed R4 showed the highest milk yield and its composition followed by when they were fed R3, R2 and R1 (control ration), respectively. From economical point of view the medicinal seeds mixtures containing rations reduced feeding costs needed to produce 1 kg 4% FCM especially those received (R4) It could be concluded that medicinal plant seeds mixtures can safely, successfully and economically as a feed additive with lactating buffalo rations.