

عنوان مقاله:

Role of Date Palm Pollen on Heifer's Puberty and Maturity in Iraq

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خلاصه مقاله:

The use of herbal remedies has played a crucial role throughout medicine, and human beings have always used these valuable resources to treat their health problems and diseases. Phoenix dactylifera (Palm) is one of the most famous medicinal plants. Therefore, this study was designed to investigate the possible effects of date palm pollen supplementation on the heifer's puberty. This study was conducted in Najaf- Iraq, on ۱۰ crossbred heifers ۶ months old, from December ۱st, ۲۰۲۱, to August ۱st, ۲۰۲۲. The animals were divided randomly into two groups: T₁ was supplemented with ۲g of date palm pollen (DPP) plus the main ration, while T₂ was supplemented only with the main ration. The results revealed a significant effect ($P < 0.05$ and $P < 0.01$) in T₁ over T₂, accelerating the heifer's puberty and sexual maturity. The results also showed a significant effect ($P < 0.01$) between T₁ and T₂ at the level of the hormones FSH, LH and estrogen in the age of puberty, as well as the presence of a significant difference ($P < 0.01$) and ($P < 0.05$) between T₁ and T₂ at the level of the hormones FSH and estrogen in the age of sexual maturity. The results also showed a significant effect ($P < 0.05$) for T₁ and T₂ in weight at puberty and maturity. This study aimed to accelerate puberty and sexual maturity in the heifers.

کلمات کلیدی:

date palm pollen, heifers, Puberty, Maturity, Hormones

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