



Journal

J. Biol. Chem.
Environ. Sci., 2017,
Vol. 12(3): 9-26
<http://biochemv.blogspot.com.eg/>

EFFECT OF UREA AND NBK ON GROWTH AND DEVELOPMENT OF DATE PALM OFFSHOOTS

**Haseeb G. M. M., S. E. EL-Kosary , H. A.
Abd Elkareem* and M. A. M. Bakir ***

*Department of Pomology, Faculty of Agriculture,
Cairo University, Giza, Egypt.*
**Horticulture Research Institute, Agricultural
Research Center, Giza, Egypt.*

ABSTRACT

This experiment was carried out during two successive seasons (2014/2015) at nursery of Horticulture Research Institute, Agricultural Research Centre, Giza, Egypt. to investigate the effect of two different fertilizers type, i.e. NPK and Urea and their concentrations (0, 5, 10, 15, 20, 25 g / L/ offshoot) as a soil drench to improve the vegetative growth, rooting and chemical contents of two date palm cultivars ‘Sewy’ and ‘Amhate’ offshoots.

Survival percentages and means of roots, number, length, diameter, moisture and leaves number, length and leaf mineral contents after 6 months were higher with the application of Urea at 15 g/l or NPK at 20g/l per offshoot in the first and second seasons, respectively.

Key words: Date palm, NPK, offshoots, *Phoenix dactylifera* L., Urea, ‘Sewy’, ‘Amhate’.