Journal

***J. Biol. Chem. Environ. Sci.*, 2017, Vol. 12(3): 27-48**
http://biochenv.blogspot.com.eg/

ROOTING OF DATE PALM UNROOTED OFFSHOOTS BY USING GROWTH REGULATORS INJECTION

EL-Kosary[1] S. E., G. M. M. Haseeb [1] , H. A. Abd Elkareem [2] and M. A. M. Bakir [2]

1 Department of Pomology, Faculty of Agriclture, Cairo University, Giza, Egypt.
2 Horticulture Research Institute, Agricultural Research Center, Giza, Egypt.

ABSTRACT

The objective of this research was to induce root formation and leaf growth on young unrooted offshoots of two date palm cultivars, Amhate and Sewy, through vegetative using growth regulators injection under greenhouse conditions.

Offshoots were divided into 16 groups treated with 16 different injection treatments using 4 ml auxin solution, and then planted under greenhouse conditions. Results indicated that offshoots treated with either IBA or NAA at 3000 ppm and planted in mid-March were had the most survival percentage of both 'Amhate' and 'Sewy' cultivars. Same treatments improved root number and length, and length of developed leaves, as well.

Key words: Amhate'.Date palm, growth regulators, IBA, NAA, Phoenix dactylifera L., rooting, Sewy', survival percentage, offshoots, ''