



**INFLUENCE OF POLLEN GRAINS IN SOME PHYSIC-CHEMICAL
CHARACTERISTICS OF DATE PALM (*PHOENIX DACTYLIFERAL* L)
FRUITS FOR DEGLET NOUR GROWN IN REGION OF ZIBAN, ALGERIA.**

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Abstract

In order to study the affect of pollen grains' sources on the physical and chemical characteristics of dates. Pollen grains from local sources were used in pollinating homogenous females' palms cultivar for the deglat Nour. The vitality percentage of pollen grains was about (66.667-90.60%) by using acytcarmine coloration, whereas germination percentage was between (67.333-80.820%) in the three varieties of pollen grains. The highest percentage of fruit set was recorded in palms which were pollinated by M02 and M03 pollen grains. The physical aspects also were affected in length, weight and with of seeds of all the three varieties, according to the pollen used. Taking into consideration the affect of pollen grains of the chemical characteristics of fruits the highest value of Protein in dates pollinated with male palm 01. Also the pollen grains of male 03 dominated in the percentage of Total Soluble Solid, Humidity, Ash, Acidity Titrable, Reducing Sugars and Total Sugar. Whereas, the highest value in Le was recorded in date pollinated with M02, yet no significant affect was recorded of pollen grains in Fibers.

Key Words: Pollen grains, Fruit set, Date Palm.