

Compositional and Morphological Characteristics of Three Common Dates (*Phoenix dactylifera* L.) Grown in Algeria

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Abstract : Mech-Degla, Degla-Beida, and Frezza are the date (*Phoenix dactylifera* L.) common varieties with a more or less good availability and feeble trade value. Some morphologic and physicochemical factors were determined. Results show that the whole date weight is significantly different ($P= 95\%$) concerning Mech-Degla and Degla-Beida which are more commercialised than Frezza whereas the pulp/kernel ratio for this last is highest (above 7) since it represents almost the double of that found for the two other varieties. The water content for all fruits is below 15g/100g (wet basis) what confers a dried consistence for common date. Some other morphologic and chemical proprieties of the whole pulps and their two constitutive parts (brown or pigmented and white) are also investigated. The predominance of phenolics in Mech-Degla (4.01g/100g, w.b) and Frezza (4.96 g/100g, w.b) pulps brown part is the main result revealed in this study.

Keywords : common dates, phenolics, sugars, tissues

Conference Title : ICBS 2014 : International Conference on Biological Sciences

Conference Location : Madrid, Spain

Conference Dates : November 10-11, 2014